Master Plan

for

Hite Road Park

March 2010

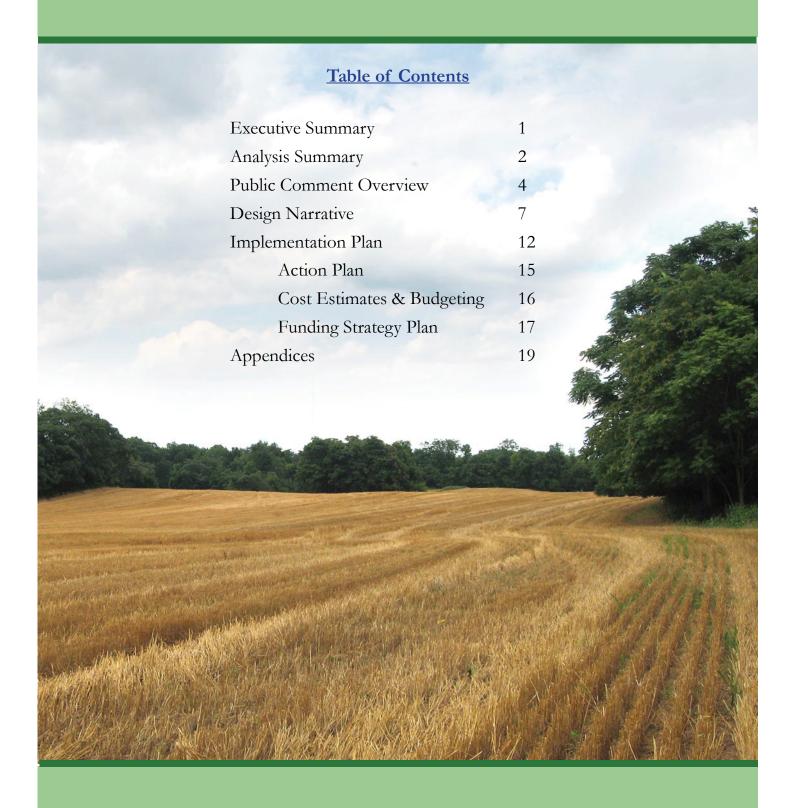






With:





Acknowledgements

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Executive Summary

Introduction

This Hite Road Park Master Plan supports the goal of turning the site into a multi-use district park that serves the diverse needs of a growing County population. The report identifies program elements included in the proposed park and contains a summary of the site analyses, an implementation plan that outlines project costs, phasing, and potential funding sources. Included in the appendices are engineering reports, detailed cost estimates, planning graphics, and an overview of the environmental inventory. This narrative is supported by a master plan concept that illustrates the proposed uses for the park.

Summary of Findings

The 119-acre Hite Road Park Property is located on Hite Road, northwest of the City of Charles Town in Jefferson County. The property was purchased by the Jefferson County Parks and Recreation Commission in 2008.

The property is well-suited to become park land, given its rolling topography and current agricultural use as a hay field. The site is uniquely vegetated with stands of mature existing trees within the ridges of karst topography. This characteristic compartmentalizes the site into several zones suitable for development of park uses.

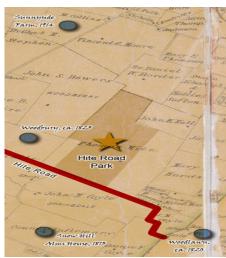
The park program features both passive and active recreation opportunities, as requested by the public in surveys and meetings. Likewise, the public input gathered through the master plan process was consistent with the findings of the 2006 Report of Open Space and Recreational Needs Assessment Survey for Jefferson County, West Virginia, requesting needs for more available recreation space for organized sports such as soccer, baseball, and football as well as need for tennis, basketball, skateparks and passive and secondary recreation opportunities.

The park is proposed to be constructed in a series of three phases ranging from immediate implementation to more than 10 years. The timing and content of each phase is dependent on available funding and current County need. The first phase will include construction of the entrance roads, ball fields, trails, and continue that implementation strategy through to construction. One of the immediate goals is to have the Hite Road become a functional park that is open to the public as soon as possible.

Cost estimates were prepared for each area of the master plan program and are included in the Implementation section and Appendices of this report.

The cost estimates provide an idea of how much each phase and each program element might cost using 2009-2010 dollars.

Funding sources for each phase, and each element within the phases, will vary and likely include County tax dollars, grants, bonds, and proffered monies. A breakdown of potential funding sources for each element is also located in the Implementation section of this report.



Historic map showing locations of historic sites in relation to Hite Road Park

Program Elements Include:

- Trails
- Softball & Baseball Fields
- Soccer Fields
- Basketball Courts
- Tennis Courts
- Playgrounds
- Skate Park
- Miniature Golf
- Dog Park
- Passive Gathering Areas
 - ~ Picnic and Event Shelters
 - ~ Outdoor Lawn Games
- Maintenance Facilities

Ruined structures in wooded area



Limestone outcropping in actively farmed field



Existing stands of vegetation



Typical view of understory vegetation

Site Analysis & Needs Analysis Summary

Site Analysis Overview

The Hite Road Property is an approximately 119-acre site located in Jefferson County, West Virginia, along Hite Road, a gravel collector road just east of Leetown Road. Likewise the site is located about 2 miles from WV Rt. 9, the a arterial road linking the major cities of the Eastern Panhandle of West

Virginia.

The topography is gently rolling and presents primarily as open, grass-covered fields with wooded areas growing along the ridges of karst topography and along the project borders. Site elevations range from 606' above sea level along the eastern property line to 570' in the southwest corner along a draw that runs perpendicular to Hite Road.

The only current access to the site is at the location of the old farm house and barn, which have been removed. Otherwise, access is limited to four-wheel drive vehicles when the current hay farming operation has been recently cut or is out of its growing season.

Throughout most of the site, views demonstrate the rolling pastoral landscape of Jefferson County and remain fairly unimpeded as development in the proximity of the site has remained fairly rural.

Base information from the Master Plan was generated from public sources such as: United States Geological Survey (USGS) mapping, County data, soil surveys, and information relating to the adjacent development project, Jackson's Woods provided by the client.

The northwest corner of the site is bordered by the United States Department of Agriculture (USDA) Appalachian Fruit Research Station (ARS) which conducts research on fruit trees within its property. While the Hite Road Park site is largely buffered from the Center's farming operations, approximately 600-650 feet of the northeast property line is adjacent to groves of fruit trees, and the remaining site borders are largely occupied by large wooded tracts of land or single family housing on large lots.

There is believed to be a grave stone on the site although it location was never confirmed by the Commission or the Consultants after additional field investigations. LPDA did meet with a past resident of the site who believed that the cemetery existed along the southern point of a stand of trees midway along the frontage of Hite Road approximately 600' into the site.

Needs Analysis

LPDA conducted needs analysis utilizing 4 different methods: research of the 2006 Report of Open Space and Recreational Needs Assessment Survey for Jefferson County, West Virginia, public surveys distributed at meetings and at the Jefferson County Community Center, input taken by LPDA via the internet, and notes taken during public meetings from citizens.

Public surveys completed for the Needs Analysis showed a high demand for walking and hiking trails, soccer and baseball. Facilities for extreme sports such as skateparks were also of higher importance. Passive recreation facilities for picnic shelters, totlots, and pavilion also ranked high in providing a total user experience at the park for uses beyond recreation.

During the programming process and coordination with the Parks and Recreation Commission there was also discussion of cost sharing opportunities through rentals or land leases for partnerships with private operators within the park for uses such as miniature golf and paintbal, lalthough paintball was later voted out by the Commission as a non-desirable land use for this site.

Utility Capacity Overview

Triad Engineering, Inc. (Triad) conducted an overview of the utility capacity for both water and sewer and power and telecomm. The Hite Road Park site is outside of the public service area for both water and sanitary sewer and will require on-site water through wells and on-site sewer through the use of septic and drainfield systems. Telecommunication lines and single phase power is available along Hite Road.

Existing Buildings & Facilities

The Hite Road site currently has no usable buildings. Several of the buildings were raised prior to and following the purchase of the property by the Jefferson County Parks and Recreation Commission. Several ruined buildings exist on the site in the southwest wooded area as well as several building foundations.

Site Access Overview

The Hite Road Park site is accessed only from Hite Road along its southern boundary. The site is approximately 0.5 miles east of Jefferson Crossing Road and 1 mile west of Wiltshire Road, both are paved state roads. Hite Road is currently a gravel and stone dust road in a 30' right of way with a width ranging from 12-14' LPDA and Triad met with the West Virginia Department of Transportation (WVDOT) to determine that the entrance locations would be appropriate for the park entrance. Currently there is no specific pedestrian access along Hite Road or in the proximity of the site. WVDOT is planning a pedestrian trail along the south and west sides of the improvements to Route 9 some 2 miles away. Access from these improvements to Hite Road Park will require easements through neighboring properties.



Looking west across the Hite Road Park site.



Existing Barn



Hite Road looking east



Hite Road looking west

Summary of Public Comment

Needs Analysis

Two public forums and 3 Commission meeting were facilitated or attended by LPDA to obtain comments and feedback from community members. The community also had the opportunity to provide comments via paper survey and on-line survey. The intent of the forum and surveys were to learn what program elements the majority of people living in Jefferson County wanted to see in a new park. The surveys included questions about the perceived strengths and weaknesses of the County parks and recreation system and what types of new facilities would be appreciated.

In general, the responses showed that the public wanted to see a variety of passive and active uses in a new park that would address the needs of a diverse population including team sports participants, families, and walkers/hikers as well as providing quality facilities.

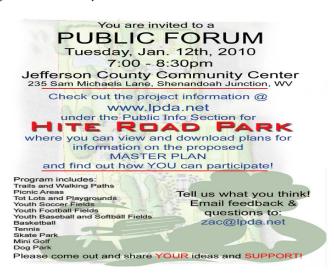
Commission Meetings

LPDA participated in several monthly Commission meetings for both the general commission and facilities meetings to discuss concepts and options for the park. Through the Commission Meeting process the forum allows for public comment. LPDA and the Commission vetted out programmatic elements proposed by the public that the either the consultant or a majority of the commission members did not feel were appropriate for this site.

Master Plan Concept

The master plan was presented first in advertised forums in October of 2009 and again in January of 2010. Again, the public had the opportunity to comment at the meeting as well as via paper and on-line surveys. Survey questions asked how the respondents felt about the proposed program elements.

While both meetings were well attended; the January meeting was attended by over 80 citizens. In general, the project and program was embraced by the public as the consensus is that these facilities are needed now to meet the demand in Jefferson County.





Public getting a look at the proposed plans at the January Meeting

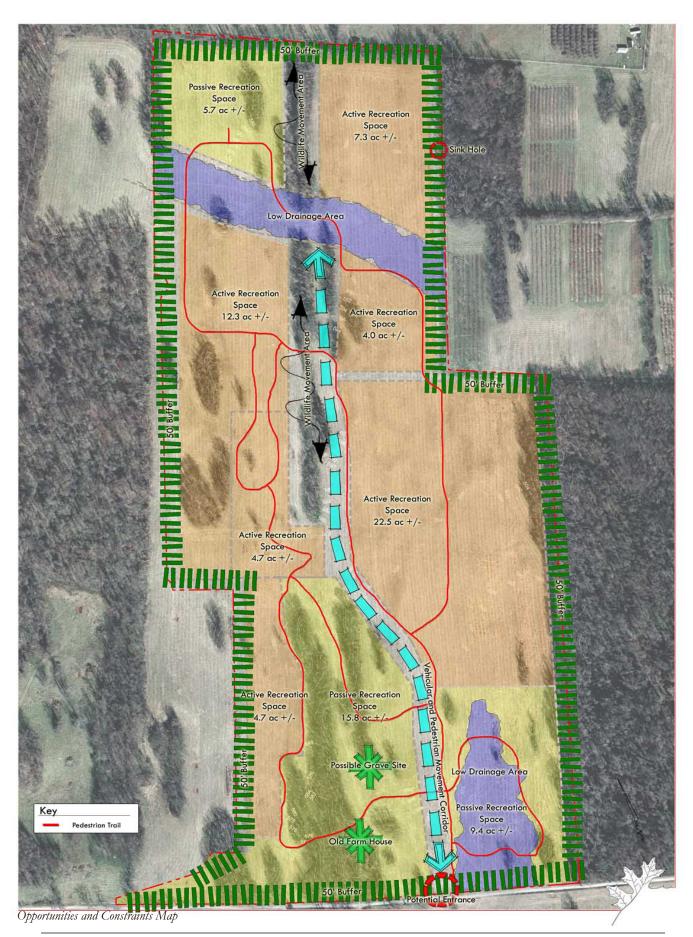


Public meeting and comment session



Final public forum







Hite Road Park • 6 • Master Plan Report

Detail plan of Hite Road Park entrance



Walking Trails



Crushed Stone Walking Trail



Playground

Design Narrative

Introduction

The program for Hite Road Park meets goals of serving Jefferson county for developing the site as a district park. District parks are typically centrally-located and serve broad purposes such as providing access to open space and various forms of active and passive recreation. Because district parks have a large service area, Hite Road Park has the ability to serve a large portion of Jefferson County.

The section below highlights the main programmatic elements included in the master plan for Hite Road Park. It should be noted that each element is intended to be phased in over time based on funding availability, current need, and available utility capacity. As described in the Phasing section of this report, the entirety of the master plan may not be constructed for more than 10 years.

Park-Wide Amenities

New Entrance and Access Road

The park will require a new access road to connect to Hite Road. The entrance from Hite Road is proposed to be split by a landscaped median with adequate pavement width for both movements of traffic, inbound and outbound, in the event that an accident blocks either the entrance or exit. Pursuant to discussions with the West Virginia Department of Transportation (WVDOT) improvements will also be likely for Hite Road based on the number of trips anticipated to be generated by the park, although there was no dialog pertaining to how that related to phasing the park's implementation. Likewise, this expanded access area will help control access for big events such as soccer tournaments.

The proposed road is also being used to compartmentalize the site to provide access to the recreation and passive areas. This alignment of the road corridor as it moves through the property should also be utilized as a utility corridor for both water, sanitary and wired utilities such as electric power, internet, and phone. Construction of the road would be asphalt over a aggregate base with shoulder and ditch and will need to be phased to accommodate the park program as different areas develop through construction. Grading should be gently feathered back from the roadway and ditches to allow for off road overflow parking for large events.

Walking Trails

The Hite Road Park master plan features a network of trails to serve as both loop-style exercise trails as well as connectors to get to and from parking areas, buildings, athletic fields and passive recreation areas. Shared access with maintenance vehicles such as Gators will be necessary to access remote or undeveloped areas of the site. The Master Plan was developed utilizing a hierarchy of trails for the following uses:

• 12' Shared Pedestrian and Maintenance Access: Due to the location of the maintenance center along Hite Road. The shared access trail will allow light duty trucks and other maintenance equipment to access the site without having to travel on Hite Road. Maintenance and pedestrian conflicts should not be an issue because most of the

maintenance is done when the park has its lowest volume of users, weekdays from 9am to 5pm; however, signage should be provided to let both parties know of potential conflicts.

This portion of the pedestrian trail is the southern extension of the 10' Regional Trail.

- 10' Regional Trail: The 10' Regional Trail is north-south connector running through the western passive areas of the site. This trail would ultimately connect to a large system in the County linking Leetown Park, to Hite Road Park, and ultimately to the Route 9 Regional Trail.
- 8' Park Trail: This trail system would be used primarily for recreational users within the park and would be comprised of an aggregate base topped with a stone dust for wheeled vehicles such as strollers. In wooded areas, this system could be wood chip and laid out on existing grade to protect sensitive root zones of the existing vegetation. Signage warning wheeled vehicles would be necessary warning them of potentially difficult terrain ahead.
- 5' Collector Trail: The collector trail system would function as internal sidewalks to around the park linking parking areas to facilities and buildings. This system will need to be solid surface, either finished concrete or asphalt and fully American with Disabilities Act (ADA) compliant with ramps and striped crosswalks where necessary.

Building Program

The development of Hite Road Park will require construction of support facilities for restrooms, concessions, sporting events, storage, maintenance, and staging and meeting areas, such as locker rooms. The master plan has been developed with a series of buildings with the necessary support facilities as it relates to each area of the park and the specific elements around it. As demonstrated in the exhibit to the right the building program has been designed so that no areas of the park are further that 500' to a restroom facility. This will not only help to make the park accessible, but it will make the facilities function efficiently for large events.

Picnic Shelters

The proposed picnic shelters are 4 to 6 post open air shelters ranging in size usually containing 2-4 tables. For the use levels anticipated at Hite Road Park, LPDA would recommend a steel or aluminum framing system with a standing metal seam or architectural shingled roof. Wooden frame systems may be a cost saving alternative, but may not have the extended life cycle of metal systems.

Activity Support

The activity support buildings would be frame or masonry constructed buildings used for the operations, concessions, and restrooms for the skatepark and miniature golf facilities. As these uses have been identified as potentially being cost sharing elements, this building could be leased to the operators under an agreement with the associated with the land.

Event Pavilions

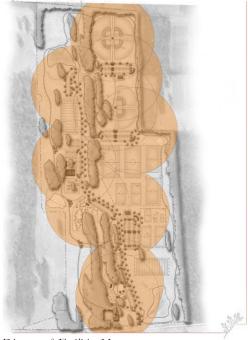
Much like the picnic shelters, the event pavilions would be open air on one end



Rectangular Playing Fields.



Concession Stand / Restroom Facility



Distance of Facilities Map.

Also See Appendix I



Open-Air Picnic Shelter



Picnic Pavilion with Kitchette

and provide support facilities such as restrooms and kitchenettes on the other end. These facilities should be masonry construction with architectural edges such as stone, brick, or split face block. The kitchenettes should be equipped with basic appliances and counter space to allow for large gatherings such as civic and church events.

Field Houses

There are 2 field houses proposed in the master plan for support of the soccer and baseball facilities. The field houses contain locker rooms with restrooms within, public restrooms, small storage areas for game equipment, and concessions. Construction of the field houses should be block construction with an architectural edge such as split face block or brick and stone accents.

Baseball Support - Press Boxes

There is one press box proposed in the master plan for support of the baseball facilities. The press boxes will be multi level buildings with the top floor for calling and scoring games with restroom facilities and small storage areas on the ground level. Construction of the press boxes should be block construction with an architectural edge such as split face block or brick and stone accents.

Trail Support

One trail support building is sited at the northwest corner of the site. This building would be used to supply restrooms to the western football field, trail network, and passive recreation areas. Construction of this restroom building should be block construction with an architectural edge such as split face block or brick and stone accents.

Maintenance Building

To support the park in its initial phases and at buildout, a maintenance building has been proposed along Hite Road. The maintenance center is sited in the wooded area where the old barn existed to be screened from the primary park uses. Access to the maintenance building will be directly off of Hite Road. The building will be two elements, a large garage or pole barn and finished office space at 2,600 and 960 square feet respectively. While the finished area would need to be masonry construction, the maintenance area could be a manufactured steel building or pole barn.

Passive Recreation Areas

There are several large passive recreation areas throughout the site including 2 large open fields. While a portion of those fields will need to be held for on-site septic, the intent of those locations are to buffer the park from the adjacent neighbors and future development as well as provide large gathering areas for festivals and tournaments.

South Picnic Area

The south picnic area is located adjacent to the wooded areas immediately on the left as you enter the site and along the pond on the right side of the project. Anchored by 2 of the picnic pavilions, this area features smaller shelters, totlots, outdoor games such as chess and horseshoes, a totlot, and

a tricycle race track.

Dog Park

A dog park is proposed in the treed area in the middle of the site. It will contain 2 fenced areas for large and small dog play as well as a hose bib for fresh water.

Athletic Fields

Athletic complexes have been the primary focus of the master plan development for Hite Road Park. Through the public participation process and stakeholder input high regard was placed on increasing the quality and quantity of complexes in the County. Likewise, special care has been conveyed to the layout Dog Park to group those complexes with like sports and connect them through the pedestrian and trail network as well as the incorporation of the passive areas to create the total family experience.

Football

There are 2 football fields programmed for the site, in the initial phase on the right of the entrance and in the northwest corner of the project.

Soccer

There are 2 large soccer complexes programmed for the site. Given the range of field sizes utilized by Jefferson Youth Soccer the soccer areas have been programmed to allow for layouts of multiple combinations of fields to meet demand and for practice and tournament play. The proposed area 'dome grade' one large field from a high point in the middle down 2% in each direction. This arrangement can also be beneficial to move worn areas out of service for Aerial View of Baseball Field Complex reestablishment of turf and as drainage problem arise. It is anticipated that this area could be lighted for evening and night practice and play.

Baseball

The baseball complex is located in the far northeast corner of the project and features 4 Little League fields and one high school sized field and warm up areas. The 4 Little League fields are laid out in the quad configuration with services and bleachers in the center. It is anticipated that this area will need to be lighted for evening and night practice and play. At site development, further lighting analysis or cooperation with the USDA facility may be necessary to ensure that there is no conflict between the baseball lighting and adjacent orchards

Sport Courts

Basketball and tennis have been incorporated into the site program along the center of the site on the west side of the access road. This area will feature 4 basketball courts, 3 tennis courts, a totlot, and activities support building. It is anticipated that this area could be lighted for evening and night practice and play.







Football Fields

Other Recreational Areas



Skate Park



Mini Golf

Skate Park

A large area has been allocated for a skate park along the western side of the access road into the park. Throughout the master plan process there has been specific interest in a skatepark at Hite Road Park. LPDA's research into comparable projects has shown that these parks can be many different forms, from last paved spaces with constructed ramps and jumps to very ornate formed concrete layouts with specialized surfacing, etc. For the purposes of cost estimating, LPDA has assumed a large asphalt pad with pre-fabricated or constructed jumps and trick elements.

Miniature Golf

The miniature golf course is a programmatic element that presents an opportunity for a public-private cooperation with an operator or an opportunity for the County to operate this business on it's own for seasonal, weekend, or camp play. Much like the skate park, construction can range from very ornate configurations of concrete with drastic changes in elevations to more simplified layouts that mimic real putting on a golf course.

Grading, Utilities, & Stormwater Management

Grading

Given the rolling topography and Karst formations, grading for Hite Road Park must be done sensitively and within the existing farming operations. Even areas with the gentlest slopes in the park will need to be graded to create level pads for athletic fields and buildings.

The buildings and fields were located on the most level areas of the site: in the eastern portion of the park. Mass grading concepts done as part of this master plan show that these elements can be successfully graded into the topography with very limited importing or exporting of materials. The success of this balancing will depend on phasing of construction as determined by budgets.

See Appendix K for conceptual grading plans.

Final grading, primarily for athletic fields, may require importing top soils if further soils investigations determine the need for more horticulturally suitable materials.

During the site analysis phase of the Master Plan Triad Engineering conducted 14 test pits throughout various locations of the site, particularly areas envisioned to have the highest impact over their current condition. Generally their evaluation found that a backhoe could achieve full depth, about 12', in 12 of the 14 locations. The 2 locations that did not achieve full depth reached bucket refusal, usually a sign of bedrock at 7'.

This evaluation was considered in the grading concept and planning of the site. Likewise, the grading concept worked the site to be able to keep the majority of the existing trees on the perimeter and in the open areas.

LPDA recommends that the Commission acquire a full geotechnical and environmental report before beginning engineering to confirm our preliminary reports as well to test for any contaminants in the soil.

Utilities

As mentioned in the Site Analysis section of this report, there are currently no public utilities for water and sewer on the Hite Road Park site. Electric power and telecommunications are available along the frontage of Hite Road. Given the natural watersheds created by the site there will likely need to be a Phase I utility system to support the initial impact of the project in the southern part of the property and a Phase II for the northeastern and northern part of the property.

The phasing plans developed by LPDA convey this phasing of both in utility infrastructure and the park program; however, consideration will need to be given to the final phases of the park, primarily the uses along the western edge for the infrastructure as it develops for Phases I & II.

Refer to the Engineering Report in Appendix A of this report for complete utility information.

Stormwater Management & Low-Impact Design Approaches

Stormwater run-off is created by impermeable surfaces that do not allow rainwater to infiltrate into the ground or soils that are already too saturated or compacted to allow natural infiltration. Run-off must be captured in holding



Cut and fill analysis of pre and post development condition

areas, such as retention ponds, or directed into underground pipes and carried to other locations. It is particularly important at the Hite Road Park Site that excess runoff be directed away from the limestone Karst topography, which can become unstable if saturated. Therefore, the master plan shows a system of detention ponds and pipes that collect, treat, and move runoff safely through the site.

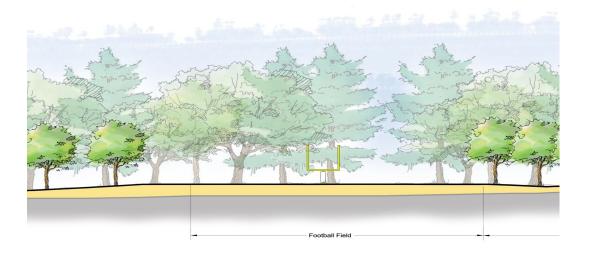
Low-impact design (LID) stormwater management techniques help to protect the environment by limiting impact to a site. The three main principles for LID are to capture water, slow it down, and remove pollutants before the remaining run-off enters the ground. LID techniques that may be appropriate at Hite Road Park include rain gardens; cisterns; managing pipe outfall locations; permeable paving; filter strips; forebays; and reducing the use of underground pipes. Each of these techniques must be vetted on a case-by-case basis to ensure that they are suitable for specific soil types, infiltration rates, and run-off quantity and quality.

Bioretention basins, rain gardens, forebays, filter strips, and other biofiltration methods work by capturing water and releasing it slowly into the ground or another water detention device. These methods treat water quantity by containing it in one place, such as a basin, or slowing down its arrival to another location. In the same way, they work to treat water quality by slowing down infiltration times and thereby allowing pollutants to settle out before reaching the water table.

Water cisterns are essentially tanks that collect run-off for other uses. Irrigation is the primary use for cistern water, which both reduces the amount and cost and well water that might be used for this purpose.

Managing pipe outfall locations is another important LID technique. Simply put, final designs must make sure that pipes do not outfall into environmentally sensitive areas such as sinkholes. Alternatives to piping should be looked in it appears that outfalls will direct water to these locations.

Ponds were preliminarily placed based on grading and soils conditions from the base information generated to capture outfalling water and to limit the use of pipe. Final design and sizing of these facilities will be dependant on final layout and engineering.



Section demonstrating fill zones for athletic fields

See appendices H&I

mplementation Plan

Action Plan

This Action Plan discusses construction priorities, phasing, and associated costs to clearly define how and when each element of the master plan should be implemented.

Inventories, Assessments, and Engineering

As the project moves forward, the County and Commission should consider obtaining approvals and testing for engineering the site in phases that are in concert with the construction budgets moving forward. Those include but are not limited to:

- Boundary and Topographic Survey flown at 0.5' vertical precision
- Phase I Environmental Reports
- Phase I Archaeological Reports
- Detailed Site Planning, Engineering, and Landscape Architecture
- Detailed Architectural Design for Site Buildings
- Final Engineering

Likewise, these reports and efforts will continue to help the County refine the associated costs of the implementation

Phasing

The master plan is divided into 3 phases based on proximity of each element and logical need for access; spreading out funding needs; and publicly- and County-identified priorities. The phases shown below are intended to serve as a flexible guideline for implementing the total master plan over then next 10 or more years. As funding and priorities change, elements can be moved back and forth between phases.

Phase I (0-3 Years)

This phase is intended to be implemented within the next 3 years. It contains elements that are able to be constructed or improved immediately to ensure the public can be using the park as soon as possible. It contains the core of the passive elements and first recreational section.

Due to traffic and safety requirements WVDOT may require upgrades to Hite Road in this phase.

- Park Entrance
- 1st Phase of the access road
- Maintenance Facility
- Passive Park and Support Buildings
- 1st Field House
- Parking Areas
- Southern Soccer Complex

- Football Field
- Phase I On-Site Septic and Well
- Stormwater Management Pond
- Totlot
- Tricycle Track
- Horseshoes
- Giant Chess

Phasing Highlights...

Phase I (0-3 Years)

• Southern Passive and Active Complex

Estimated Costs: \$2,340,000

Phase II (3-5 Years)

• Northeast Athletic Complex Estimated Costs: \$2,800,000

Phase III (5-10 Years)

• Western Sport Courts and Fields
Estimated Costs: \$1,750,000

Phase II (3-5 Years)

This phase is intended to be implemented within the next 5 years. It contains the 2nd large soccer complex and the entirety of the baseball fields.

- Large Soccer Complex
- 2nd Phase of the access road
- Support Building
- 2nd Field House
- Parking Areas
- Press Box

- Passive Recreation Area
- Phase II On-Site Septic and Well
- Stormwater Management Pond

Phase III (5-10 Years)

The final phase of the park development includes the remain athletic field and some sport courts. Likewise, this phase presents partnering opportunities for private businesses and operators in the skate park and miniature golf course.

- Tennis
- Basketball
- Support Buildings
- Tot Lot

- Skate Park
- Dog Park
- Miniature Golf

Cost Estimates

The purpose of the cost estimates is to give the County enough information to guide planning and budgeting efforts throughout all phases of the master plan. Detailed cost estimates and designs will need to be prepared for each program element.

Cost estimates were prepared for each phase of the master plan as described in the Action Plan. Within each phase, costs were developed for individual elements such as earthwork, new buildings, infrastructure and athletic components. The costs were developed using 2009 dollars and may fluctuate depending on material and labor costs at the actual time of installation. Costs were based on recent prices for completed projects in the region, various DOT bid tabulations, and RS Means cost data. The full cost estimate is shown on

Appendix B.

Phasing of both engineering cost and physical reporting costs can will vary given the size of each phase. It is the recommendation of LPDA to do conduct these studies for the whole property versus phase by phase to save cost; however, keep in mind that many approvals have expirations dates, such as a Jurisdictional Determination for wetlands for the United States Army Corps of Engineers is only good for 5 years. Please determine that the approval can be exercised for construction within the allotted time period.

Likewise, construction costs can vary significantly with the economic conditions and availability of specialized contractors with the region.

Cost Breakdown

Engineering, Entitlements, and Approvals
\$800,000 - 900,000

On Site Infrastructure (Utilities) \$1.05mil - \$1.19mil

Park Elements \$5.6mil - 6.3 mil

Hite Road Upgrades \$247,134 Chip & Seal \$754,460 Fully Paved

Potential Funding Sources

There are several sources available to the JCPRC for financially facilitating this park.

Potential funding sources for Hite Road Park include:

- Capital Improvement Program Budget
- User and Impact Fees
- Cost Sharing with local athletic clubs
- Corporate Sponsorships
- Bonds
- Parks & Recreation Commission Budget
- State Grants
- Proffers
- Fundraisers & Volunteer Labor

Most likely, the County will need to rely on a mix of funding sources in order to implement any one element. It will be up the County Administration, Parks & Recreation Commission, and other County staff to determine the appropriate and successful mix.

Capital Improvement Program Budget

The Capital Improvement Program for Jefferson County could utilize funds for parks and recreation through impact fees and taxes allocated through the general fund.

Bonds

Bonds should be used to fund big-ticket construction items such as infrastructure grading and park related building elements.

Parks & Recreation Maintenance Budget

Smaller-scale elements that can be done in-house by Parks & Recreation staff can be assigned to the Parks & Recreation budget. These elements include the dog park fencing, trail construction, shelter construction, and other light engineering improvements

State Grants

West Virginia state agencies may offer grants to local jurisdictions to facilitate the construction and maintenance of parks.

Proffers

Jefferson County has the ability to accept proffers from private developers. The County determines the amount that a developer can proffer based on what the new development will cost the County in terms of new infrastructure and public facilities, such as sewer lines and schools. The developer can offset these costs by proffering cash or project work that the County would normally have to pay for themselves. For instance, a residential developer who is building a subdivision could offer to pay for a park related construction to offset the cost that would be incurred by bringing additional residents into the County.

Fundraisers and Volunteer Labor

Fundraisers and volunteer labor are appropriate for smaller projects, particularly those that will be of greater use to a specific group. For example, local skating enthusiasts could be called upon to raise money for and help build the skatepark at Hite Road Park. Another example would be local social clubs, such as the Rotary or Ruritan Club, that help raise money for and build playgrounds.

Sponsorship/Partnerships

Sponsorships and partnerships garner the support of local businesses, patrons, and donors who could relieve some of the financial burden of building Hite Road Park from County taxpayers. This form of funding also helps to build a sense of local ownership and engenders community pride.

Sponsorships are typically done through advertising in program guides, sports fields, or facility naming; this would mesh well with the athletic facilities and games envisioned at Hite Road Park.

Partnerships could be formed through non-profit entities, for-profit event companies, park foundations, and vendor contracts. Partnerships could generate revenue for the park to help defray the cost of implementation or operations.

Appendix

Appendix A - Engineering

- A.1 Overview
- A.2 Capacity Proposed
- **A.3** Existing Facilities
- A.4 Water
- **A.5** Sewer
- **A.6** Phone / Power
- **A.7** Transportation
- A.8 Conclusion
- Appendix B Detailed Cost Estimate
- Appendix C Regional Map of Jefferson County and Hite Road Park Site
- **Appendix D** Base Aerial and Existing Site Conditions
- **Appendix E** Soils Mapping and Topography
- **Appendix F** Opportunities and Constraints Mapping
- **Appendix G** Master Plan Conceptual Design
- **Appendix H** Master Plan Conceptual Design North to South Sections
- **Appendix I** Master Plan Conceptual Design East to West Sections
- Appendix J Facilities Distance Map
- Appendix K Preliminary Grading Master Plan
- Appendix L Implementation Phasing Plan
- $\begin{center} \textbf{Appendix} \ \textbf{M} EDR \ GeoCheck \ Report \end{center}$
- **Appendix N** EDR NEPA Check Report

INFRASTRUCTURE ANALYSIS

HITE ROAD PARK

JEFFERSON COUNTY, WV

TRIAD PROJECT No. 07-09-0323

Prepared for:

Land Planning & Design Associates 22630 Davis Drive, Suite 175 Sterling, VA 20166

Prepared by:

Triad Engineering, Inc. 200 Aviation Drive Winchester, VA 22602

February, 2010



I. OVERVIEW

The Hite Road Park development is a proposed 119 acre recreational park consisting of fitness and walking trails, baseball, softball, soccer, and football fields, basketball and tennis courts, tot lots and playgrounds, a skate park, a dog park, a mini golf course, and supporting facilities located on Hite Road in Jefferson County, WV.

The existing site is comprised of mostly open fields with sparse woods. The soils found on the site are Hagerstown and Frederick cherty silt loams (HfB, HfC), very rocky silt loams (HgC), very rocky silty clay loams (HhC3), and Huntington silt loam (Ho).

The Hagerstown, Frederick and Huntington soils have bedrock at a depth of 48 to 120 inches which may influence the location of underground utilities. Soils Hfc, HhC3 and Ho have moderate limitations and HgC has severe limitations with regards to septic tank drainfields principally due to rock outcrops. Given these limitations special care should be taken when locating septic tank drainfields to avoid areas of rocks.

Access to the Park is provided from Hite Road, which runs along the southern property limits. Hite Road ultimately connects to Wiltshire Road to the east, and Jefferson Crossing Road to the west.

Triad Engineering, Inc. (Triad) evaluated the existing conditions of the Hite Road Park property and explored water, wastewater, transportation, and power and phone options for the proposed development of the property.

II. CAPACITY PROPOSED

A. Water

The proposed development of the Hite Road Park includes the following capacity using features listed below in Table 1. The water demands for each feature were calculated using West Virginia Department of Health guidelines. Estimated potable water peak demand requirements for the features are included in Appendix B. Simultaneous use of the facilities is unlikely therefore a maximum fixture demand of 180 gpm is used as the peak demand for the possible usage scenarios.

Table 1: Capacity Using Features

Description	Flow (gpd) Per Person	Estimated Usage (LPDA)	Number Facilities	Water Demand (gpd)
Activity Support Bldg.	5	100	3	1,500
Picnic / Event Pavilion	5	100	2	1,000
Field House	30	250	2	15,000
Baseball Support Bldg.	5	100	1	500
Trail Support	5	65	1	325
Maintenance Bldg.	20	20	1	400
TOTAL				18,725

B. Sewer

The sewer demands for each feature were calculated using West Virginia Department of Health guidelines. The calculations are provided below in Table 2. Estimated Unit Sewage Design Flows requirements for the features are included in Appendix B.

Table 2: Design Loads Sewage Treatment

Description	Sewage Design Flow (gpd) Per Person	Five-Day BOD (Ibs/day) Per Person	Estimated Usage (LPDA)	Number Facilities	Five-Day BOD (lbs/day)	Sewage Design Flow (gpd)
Activity Support Bldg.	5	0.01	100	3	3	1,500
Picnic / Event Pavilion	5	0.01	100	2	2	1,000
Field House	30	0.05	250	2	25	15,000
Baseball Support Bldg.	5	0.01	100	1	1	500
Trail Support	5	0.01	65	1	0.65	325
Maintenance Bldg.	20	0.03	20	1	0.6	400
TOTAL					32	18,725

- Average Daily Flow = 18,725 gpd
- Peak Factor = 2.5
- Design Flow = 18,725 gpd x 2.5 = 46,813 gpd

C. Transportation

The estimated amount of traffic generated by the Hite Road Park was determined using the Institute of Transportation Engineers (ITE) Trip Generation Manual for a County Park land use. The results tabulated below reflect average vehicle daily trips (ADT) for each specified day. For clarity, a single vehicle entering and exiting the park equates to 2 ADT.

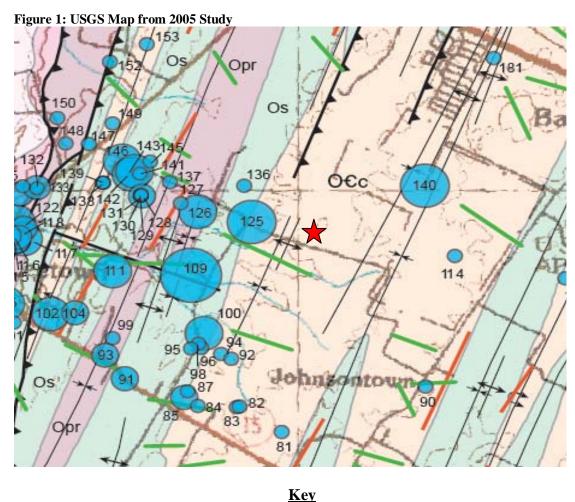
- Weekday: 119 acres * 2.28 ADT/acre = 271 ADT
- Saturday: 119 acres * 12.14 ADT/acre = 1445 ADT
- Sunday: 119 acres * 4.13 ADT/acre = 491 ADT

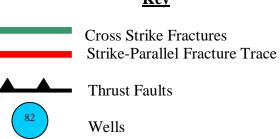
Hite Road Park Infrastructure Analysis Jefferson County, WV

III. EXISTING FACILITIES

A. Water

The following information regarding groundwater resources was taken from the 2005 USGS study done by McCoy, Podwysocki, Crider and Weary, named "Fracture Trace Map and Single Well Aquifer in Jefferson County WV". Additional information was also taken from "Geohydrology, Water Availability and Water Quality of Jefferson County, WV" by USGS 1991.





Hite Road Park Infrastructure Analysis Jefferson County, WV The 2005 study states "Wells located adjacent to geologic features are likely to produce a wide range of yields." The study suggests the specific location of individual fractures should be investigated by field verification in carbonate aquifers in Jefferson County, and transmissivity values for the area should be used for internal comparisons only. The study also states "Thrust faults in carbonate areas are capable of yielding 100 gpm, but are susceptible to contamination."

A summary of 8 wells nearby the site from this study is included below in Table 3. The depths of the wells vary from 61 ft to 265 ft and the discharge varied from 4.6 gpm to 14.8 gpm.

Table 3: USGS Well Data from 2005 Study

WELL NO.	WELL DEPTH (FT. BELOW SURFACE)	CASING DEPTH (FT.)	WELL DIAM. (IN.)	TRANSMISSIVITY (FT2/DAY)	SPECIFIC GRAVITY (GPM/FT)	STATIC WATER LEVEL (FT BELOW SURFAC E)	AQUIFER UNIT	PUMPING DISCHARG E (GPM)	DRAWDOWN (FT)	PUMP TEST DURATION (MIN)
109	61	20	6	40000	134.55	6.96	STONEHENGE LIMESTONE	14.8	0.11	100
114	139	39	6	10	0.48	68.32	CONOCOHEA GUE LIMESTONE	8.1	16.81	31
125	115	59	6	20000	35.24	40.46	CONOCOHEA GUE LIMESTONE	11.6	0.33	30
126	150	93	6	10000	14.54	9.95	ROCKDALE RUN FORMATION & PINESBURG STATION DOLOMITE	14.1	0.97	106
127	260	38.5	6	30	0.8	15.53	ROCKDALE RUN FORMATION & PINESBURG STATION DOLOMITE	13	16.79	100
136	265	19	6	40	0.16	57.38	STONEHENGE LIMESTONE	6.1	38.95	25
137	135	-	6	7	0.21	39.40	ROCKDALE RUN FORMATION & PINESBURG STATION DOLOMITE	4.6	21.54	30
140	200	-	8	30000	46.98	59.78	CONOCOHEA GUE LIMESTONE	14.6	0.31	30

According to the 1991 USGS study "The carbonate aquifer underlies the central 86 percent of the county. The aquifer is recharged primarily by precipitation; surface runoff is negligible even though the overlying soils are moderately permeable. Ground-water levels in the carbonate and noncarbonated areas fluctuate in response to recharge or discharge from the aquifers and the depth of water will vary with geologic and topographic setting." Figure 7 of the 1991 USGS study located in Appendix C, estimates the water table for the site to be below 500 ft.

According to data shown in Table 4 of the 1991 USGS study located in Appendix C, the West Virginia DOH reported 37 wells in Conococheague Formation. Of the wells none are 0-100 ft in depth, 70% are 101-399 ft in depth and 30% were 400 to 800 ft deep. The well flows were as follows: 43% had yields between 1 to 10 gpm, 54% had yields between 11 to 50 gpm, and 3% had yields between 51 to 100 gpm.

USGS GWSI data covering the same formation is also shown in Table 4 of the 1991 USGS study. The GWSI studied 135 wells in this formation Formation. Of the wells 46% are 0-100 ft in depth, 46% are 101-399 ft in depth and 8% were 400 to 800 ft deep. The well flows were as follows: 40% had yields between 1 to 10 gpm, 36% had yields between 11 to 50 gpm, 11% had yields between 51 to 100 gpm and 13% had yields between 101 to 600 gpm.

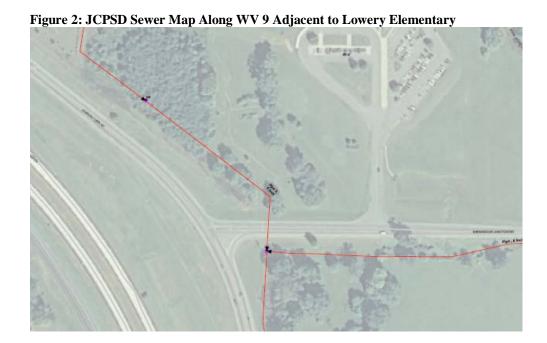
The 2005 and 1991 studies suggest that well yields in the area would be sufficient to meet the needs of the proposed development.

Jefferson Utilities Inc has an 8" water line running approximately 100 ft off the south side of Wiltshire Road (County Route 8) in front of the 911 Building. Direct connection to this line would require crossing USDA land and approximately 4-5,000 ft of water line. The USDA facility is used for research and being granted permission for construction on the land is not likely.

B. Sewer

A map of the existing sewer systems in Jefferson County was taken from the Jefferson County Comprehensive Plan and is contained in Appendix C. Jefferson County Public Service District has a collection line along WV 9, serving Burr/Bardane, Lowery Elementary School, Jefferson High School and the Job Corps Center. Connecting into the existing collection line would not be feasible.

A map provided by Jefferson County Public Service District has been included in Appendix C showing the location of the collection line mentioned above.



C. Power / Phone

Existing overhead power lines and phone run along the north side of Hite Road from Wiltshire Road (County Route 8) to Jefferson Orchard Road.

D. Transportation

Access to the Park is provided from Hite Road, which runs along the southern property limits. Hite Road is an existing stone-surfaced roadway, which ranges in width between 12'-14'. Hite Road is contained within a 30' right-of-way, and the actual stone travelway appears to be centered within this existing right-of-way. The subject site is approximately one-mile from Wiltshire Road to the east, and approximately 0.5-mile from Jefferson Crossing Road to the west.

IV. WATER

At least two Class II wells will be required for a total yield of 19,000 gpd as calculated in Table 1 of Section II. WVDOH requires all groundwater systems serving 500 people or more must provide a minimum of two good sources of water, with sufficient capacity so with the largest producing source out of service the remaining source can produce sufficient quantity to produce average daily flows. A 10,000 gallon storage tank and a 180 gpm booster pump would also be required to provide for peak flow demands. Geological surveying will be required to determine suitable locations for the well. A summary of the estimated costs associated with these improvements can be found below in Table 4.

Hite Road Park Infrastructure Analysis Jefferson County, WV

Table 4: Water Cost Estimate

Description	Estimated Cost
Two Class II Wells	\$40,000
Storage Tank	\$20,000
Pumps	\$100,000
On-site Water Lines	\$175,000 (3500 Ft x \$50 LF)
Subtotal	\$335,000
25% Contingency	\$83,750
15% Engineering	\$50,250
TOTAL	\$469,000

V. SEWER

Two septic tank drainfield systems will be required to meet the sewage design flows calculated in Table 2 of Section II. Since a maximum practical size of 10,000 gpd is recommended, a 10,000 gpd and 5,500 gpd system should be utilized. Given the flatness of the site and shallow bedrock depth, gravity sewer will most likely not be an option. Geological surveying will be required to determine suitable locations for the systems. A summary of the estimated cost can be found below in Table 5.

Table 5: Sewer Cost Estimate

Description	Estimated Cost
Drainfied (10,000 and 5,500 gpd)	\$112,500
Force Main	\$175,000 (\$50/LF x 3500 Ft)
Pump Station	\$35,000
Subtotal	\$322,500
25% Contingency	\$80,625
15% Engineering	\$48,375
TOTAL	\$451,500

VI. POWER / PHONE

All structures on the site as well as some athletic fields will require power. Phone service will be provided to the office and the field houses only. Two cost estimates have been provided in the tables below, one with all underground electrical and phone line and another with a combination of underground and overhead. There is a significant increase in cost and repair time for underground lines; their obvious advantage is aesthetics.

Table 6: Power/Phone Option 1 Cost Estimate

Description	Estimated Cost
Underground Electric / Phone	\$20,000 (\$50/LF x 400 Ft)
Overhead Electric / Phone	\$72,000 (\$20/LF x 3,600 Ft)
Subtotal	\$92,000
25% Contingency	\$23,000
15% Engineering	\$13,800
TOTAL	\$128,800

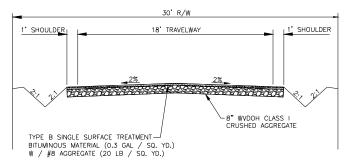
Table 7: Power/Phone Option 2 Cost Estimate

Description	Estimated Cost
Underground Electric / Phone	\$200,000 (\$50/LF x 4,000 Ft)
Subtotal	\$200,000
25% Contingency	\$50,000
15% Engineering	\$30,000
TOTAL	\$280,000

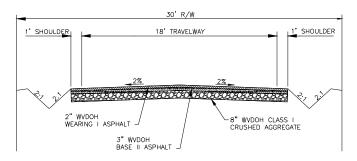
VII. TRANSPORTATION

Given the amount of traffic projected for the development of the Park and the current condition of Hite Road, there are some expected roadway improvements required for Hite Road. An entrance permit for the Park will be required from the West Virginia Department of Highways, and an acceptable level of service will need to be shown for Hite Road to obtain this permit. Preliminary discussions with representatives from the Department of Highways have resulted in roadway upgrades to satisfy these requirements. Two possible options are shown below in Figure 3. Option 1 incorporates surface treatment only, while Option 2 includes bituminous asphalt layers.

Figure 3: Proposed Hite Road Typical Cross-Sections



HITE ROAD OPTION 1



HITE ROAD OPTION 2

Two cost estimates have been provided for each option in the tables below. There is a significant difference between options, with Option #2 being the most durable and long-term solution. However, all roadway design is subject to the Dept. of Highways review and approval, so final determination of proposed roadway section cannot be made until formal design on the Park is complete. The cost of roadway improvements would be bore directly by the Developer of the Park property. Alternative funding sources would include a cost-sharing program with adjacent properties, or via private/government funding programs. The West Virginia Dept. of Highways will not provide funding assistance for this project.

Table 8: Hite Road Option 1 Cost Estimate

Description	Estimated Cost
WVDOH Class I Aggregate	\$101,650
Type B Bituminous Material	\$42,240
WVDOH #8 Aggregate	\$4,400
Ditch Construction	\$47,520
Subtotal	\$195,810
25% Contingency	\$48,953
15% Engineering	\$29,372
TOTAL	\$274,134

Table 9: Hite Road Option 2 Cost Estimate

Description	Estimated Cost
WVDOH Wearing I Asphalt	\$181,830
WVDOH Base II Asphalt	\$207,900
WVDOH Class I Aggregate	\$101,650
Ditch Construction	\$47,520
Subtotal	\$538,900
25% Contingency	\$134,725
15% Engineering	\$80,835
TOTAL	\$754,460

VIII. CONCLUSION

The water needs for the park will be met most effectively in the form of on-site wells. As the 2005 and 1991 studies suggest, groundwater resources should be sufficient to provide well yields that will meet the demands of the proposed park and supporting facilities. A permit from West Virginia Department of Health will be required and the wells must meet all local and state construction and water quality standards.

Onsite septic tanks and drainfields will be the most effective method of wastewater treatment and disposal. Special care should be taken when locating septic tank drainage fields to avoid areas of rocks. A permit from West Virginia Department of Health will be required and the septic tanks and drainfields must meet all local and state construction and water quality standards.

The most economical option for power and phone will be to run overhead lines down the east side of the main road from the existing overhead lines along Hite Road. Some underground lines will be required given the current configuration of some of the fields.

The transportation demands for the Park will require improvements to the existing Hite Road corridor. These improvements will likely include widening the existing travelway, addition of aggregate/asphalt materials, and modifications to the roadside stormwater drainage system. An entrance permit from the West Virginia Department of Highways will be necessary.

Appendix B -				
Hite Road Park - Master Plan Conce Hite Road Park, Jefferson County, West Virginia	ept Co	st Estima	te	
				3/1/2010
Sitework & Mobilization	Unit	Quantity	Cost	Total
Mobilization, Permits, etc.	EA	1.00	\$7,500.00	\$7,500.00
Soil to Cut and Remove	CY	1800	\$5.00	\$9,000.00
Erosions & Sediment Control Measures	LS	1	\$10,000.00	\$10,000.00
			Subtotal	\$26,500.00
Earth Work - Grading				
Large Area Site Grading	SY	184,292.70	\$0.69	\$127,161.96
Parking Lots and Entrance Road	SY	39,706.61	\$0.88	\$34,941.82
Soccer Playing Area - Large Area Grading	SY	65,508.56	\$0.69	\$45,200.91
Football Playing Area - Large Area Grading	SY	18,096.00	\$0.69	\$12,486.24
Baseball Fields - Large Area Grading	SY	32,243.22	\$0.69	\$22,247.82
			Subtotal	\$242,038.75
Existing Trees to Demo				
Clearing and Grubbing of up to 24" Trees	AC	1.1	\$11,600.00	\$13,108.00
If Buring is Allowed Subtract 40%		ļ		\$5,243.20
			Subtotal	\$7,864.80
		Section Subto	otal	\$276,403.55
				+
Hardscape	Unit	Quantity	Cost	Total
Crushed Stone Trail				
6" Thick Crushed Stone	TONS	1,492.0	\$35.00	\$52,220.00
Fine Grading - 12' Multi-use Park Trail	SY	44,750.0	\$1.32	\$59,070.00
			SubTotal	\$111,290.00
10' Asphalt Trail				
4" Thick Asphalt - includes 6" stone base, 2" binder course	TONS	2,436.0	\$100.00	\$243,600.00
Fine Grading - 10' Asphalt Trail	SY	12,184.4	\$1.32	\$16,083.46
5' Connector Trail		ļ	SubTotal	\$259,683.46
4" Thick Asphalt - includes 6" stone base, 2" binder course	TONS	808.0	\$100.00	\$80,800.00
Fine Grading - 5' Connector Asphalt Trail	SY	12,184.4	\$1.32	\$16,083.46
			SubTotal	\$96,883.46
Concrete Areas				
4" Gravel base - #21	TONS	868.0	\$35.00	\$30,380.00
4" Broom Finished Sidewalk	SF	40,178.0	\$5.00	\$200,890.00
			SubTotal	\$231,270.00
Entrance Road				
6" Thick Asphalt - includes 6" stone base, 2" binder course	TONS	3,402.0	\$100.00	\$340,200.00
Pavement Markings - Lane Divider	LF	3,005.0	\$0.44	\$1,322.20
		ļ	SubTotal	\$341,522.20
Parking Lots		ļ		
4" Thick #21 Gravel - For Phase I Parking	TONS	5,796.0	\$35.00	\$202,860.00
4" Thick Asphalt	TONS	5,966.0	\$100.00	\$596,600.00
Precast Concrete Parking Bumpers - 6"x 10"x 6'	EA	708.0	\$66.00	\$46,728.00
Parking Stall Paint - Based on per stall cost	EA	708.0	\$10.30	\$7,292.40
		-	Subtotal	\$853,480.40
Hite Road Improvements - Option 1	10	10	¢101.050.00	\$101 CEO 00
WVDOH Class I Aggregate Type B Bituminous Material	LS LS	1.0 1.0	\$101,650.00 \$42,240.00	\$101,650.00 \$42,240.00
WVDOH #8 Aggregate	LS	1.0	\$4,240.00	\$4,400.00
Ditch Construction	LS	1.0	\$47,520.00	\$47,520.00
	1 -0	1.0	SubTotal	\$195,810.00
* For Option 2 Hite Road Improvements Totals -See Below	1			Ţ:00,0:0.00
		Section Subto	otal	\$2,089,939.52

Utilities	Unit	Quantity	Cost	Total
Wells				
Two Class II Wells	EA	2.0	\$20,000.00	\$40,000.00
Storage Tank	EA	1.0	\$20,000.00	\$20,000.00
Pumps	EA	1.0	\$100,000.00	\$100,000.00
On-Site Waterlines	LF	3,500.0	\$50.00	\$175,000.00
	ļ		SubTotal	\$335,000.00
Sewer			#440 F00 00	#440.500.00
Drainfield Force Main	EA LF	1.0 3,500.0	\$112,500.00 \$50.00	\$112,500.00 \$175,000.00
Pump Station	EA	1.0	\$35,000.00	\$35,000.00
i unipotation		1.0	SubTotal	\$322,500.00
Power / Phone				73 13 3 3 3 3
Underground Electric / Phone	LF	400.0	\$50.00	\$20,000.00
Overhead Electric / Phone	LF	3,600.0	\$20.00	\$72,000.00
			SubTotal	\$92,000.00
* For Option 2 Power / Phone Totals - See Below				
		Section Subto	tal	\$749,500.00
Recreation Fields / Activities	Unit	Quantity	Cost	Total
necreation rieids / Activities	Ullit	Quantity	Cost	Total
Soccer Playing Area				
Fine Grading	SY	65508.56	\$1.32	\$86,471.30
Hydro-Seeding	MSF	590	\$49.00	\$28,910.00
Soccer Goals	EA	22	\$3,075.00	\$67,650.00
Football Playing Area			Subtotal	\$183,031.30
Fine Grading	SY	18096	\$1.32	\$23,886.72
Hydro-Seeding	MSF	162.86	\$49.00	\$7,980.14
Goal Posts	EA	4	\$3,925.00	\$15,700.00
		İ	Subtotal	\$47,566.86
Baseball Fields	1			
Fine Grading	SY	32243.22	\$1.32	\$42,561.05
Hydro-Seeding	MSF	290	\$49.00	\$14,210.00
6" Infield Mix	TONS	2320.33	\$40.00	\$92,813.20
6' High Fencing	LF	4450	\$17.20	\$76,540.00
BackStops - 30' Wide, 12' High & 1 Overhang	EA	5	\$4,300.00	\$21,500.00
Aluminum Bleechers - 4 Rows	EA	10	\$2,000.00	\$20,000.00
Scoreboard - Minimum	EA	5	\$4,475.00	\$22,375.00
		ļ	Subtotal	\$289,999.25
Basketball Courts	SY	2089	\$1.32	\$2,757.48
Fine Grading 4" Thick Asphalt - includes 6" base, 2" binder	TONS	418.0	\$1.32 \$35.00	\$2,757.48 \$14,630.00
Basketball Goals	EA	4.0	\$2,400.00	\$9,600.00
			Subtotal	\$26,987.48
Tennis Courts	†	 		,ccro
Fine Grading	SY	936	\$1.32	\$1,235.52
Asphalt Courts - includes base	SY	936.0	\$22.53	\$21,088.08
10' High Fencing	LF	550	\$26.50	\$14,575.00
Wire Mess with Pair of Ends (Nets)	EA	3.0	\$2,425.00	\$7,275.00
Skate Park			Subtotal	\$44,173.60
Fine Grading	SY	1.579.0	\$1.32	\$2,084.28
4" Gravel base - #21	TONS	308.0	\$35.00	\$10,780.00
4" Finished Pad	SF	14,211.0	\$3.96	\$56,275.56
Skate Park Trick Elements	EA	5.0	\$2,500.00	\$12,500.00
			Subtotal	\$81,639.84
Playground Equpiment Area		ļ	#4F.000.00	#4F 000 00
Ages 2 - 5	EA	1.0	\$15,000.00	\$15,000.00
Ages 5 - 12 Wood Chip Mulch - 6" Deep	EA SF	1.0 5,425.0	\$20,000.00 \$2.29	\$20,000.00 \$12,423.25
Large Chess Set	EA	2.0	\$2,000.00	\$4,000.00
Large Crisco Del		2.0	52,000.00	\$51,423.25
	<u> </u>	†	Castotal	ΨΟ1, 420.20
		Section Subto	tal	\$724,821.58

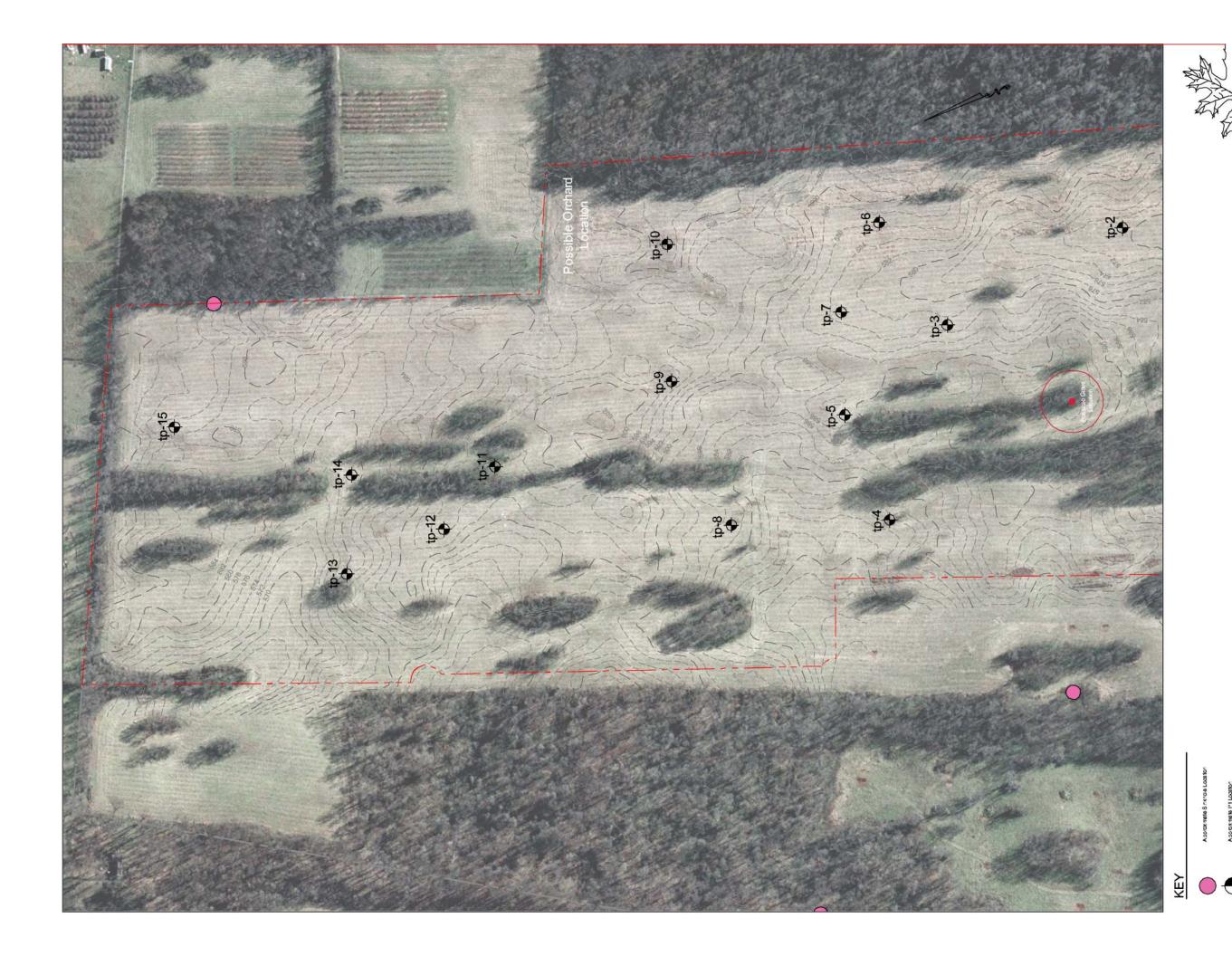
Landscaping	Unit	Quantity	Cost	Total
Proposed Landscaping				
Large Deciduous Tree	EA	180.0	\$450.00	\$81,000.00
Ornamental Tree	EA	89.0	\$375.00	\$33,375.00
Storm Water Management Area		<u> </u>	Subtotal	\$114,375.00
Hydro-seeding, with mulch and fertilizer	MSF	141.3	\$60.00	\$8,478.60
			Subtotal	\$8,478.60
Site Seeding Tractor Spreader - Turl Mix 4#	MSF	1.658.6	\$20.50	\$34,001.92
		1,,000.0	Subtotal	\$34,001.92
				4450.055.50
		Section Subto	otai	\$156,855.52
Park Buildings	Unit	Quantity	Cost	Total
Ğ				
Maintenance Building Office Area	SF	960.0	\$175.00	\$168,000.00
Pole Shed - Maintenace / Storage Area	SF	2,600.0	\$60.00	\$156,000.00
			Subtotal	\$324,000.00
Mini Golf Operations Building includes: Restrooms, Concessions, Mini-golf Rental Support	SF	900.0	\$175.00	\$157,500.00
includes. nestrooms, concessions, willingon nemai support	- 31	900.0	Subtotal	\$157,500.00
Field House / Changing Rooms - 2 Total				
includes: Restrooms, Locker rooms, Storage Area, etc.	SF	4,160.0	\$175.00 Subtotal	\$728,000.00 \$728,000.00
Press Box / Concessions - 2 story	·		Subtotal	\$726,000.00
includes: Restrooms, Small concessions, Storage Area, etc.	SF	800.0	\$175.00	\$140,000.00
Postvoore O.T. de I.D. il die ee			Subtotal	\$140,000.00
Restrooms - 3 Total Buildings Includes; Men's, Women's and Family Restrooms	SF	1,200.0	\$200.00	\$240,000.00
			Subtotal	\$240,000.00
Large Picnic Pavilions Restroom portion	SF	800.0	\$200.00	\$160.000.00
Shelter portion	SF	1,200.0	\$60.00	\$72,000.00
			Subtotal	\$232,000.00
20' x 20' Picnic Shelter - 6 shelters	SF	2,400.0	\$60.00	\$144,000.00
	<u> </u>	2,100.0	Subtotal	\$144,000.00
				\$4.005.500.00
		Section Subtotal		\$1,965,500.00
Misc. (Fencing, etc.)	Unit	Quantity	Cost	Total
Dog Park 6' High Fencing	LF	1.256.0	\$17.20	\$21,603.20
o riigiri citoliig		1,200.0	Subtotal	\$21,603.20
Maintenance Area				
6" Gravel base - #21 10' High Fencing	TONS LF	356.0 420	\$35.00 \$26.50	\$12,460.00 \$11,130.00
To Trigit Choing		720	Subtotal	\$23,590.00
Site Furnishings			4750.00	\$07.500.00
Trash Recepticles Bike Racks	EA EA	50.0 10.0	\$750.00 \$750.00	\$37,500.00 \$7,500.00
Benches	EA	25.0	\$1,000.00	\$25,000.00
Signage	EA	40.0	\$800.00	\$32,000.00
Lighting			Subtotal	\$102,000.00
Street Lights	EA	200.0	\$3,000.00	\$600,000.00
Misc. Lights	EA	100.0	\$3,000.00	\$300,000.00
			Subtotal	\$900,000.00
		Section Subtotal		\$1,047,193.20
		7074		¢7.010.010.00
	-		TOTAL	\$7,010,213.36
	Engir	neering and Ap	provals @ 12%	\$841,225.60
		100/ 5		#701 001 5
		10% C	ontingency	\$701,021.34
		GRAN	ND TOTAL	\$8,552,460.30

4,000.0	\$50.00 SubTotal	\$200,000.00 \$200,000.00
4,000.0		
4,000.0		
	SubTotal	\$200,000.00
1.0	\$181,830.00	\$181,830.00
1.0	\$207,900.00	\$207,900.00
1.0	\$101,650.00	\$101,650.00
1.0	\$47,520.00	\$47,520.00
	SubTotal	\$538,900.00
	1.0	1.0 \$101,650.00 1.0 \$47,520.00



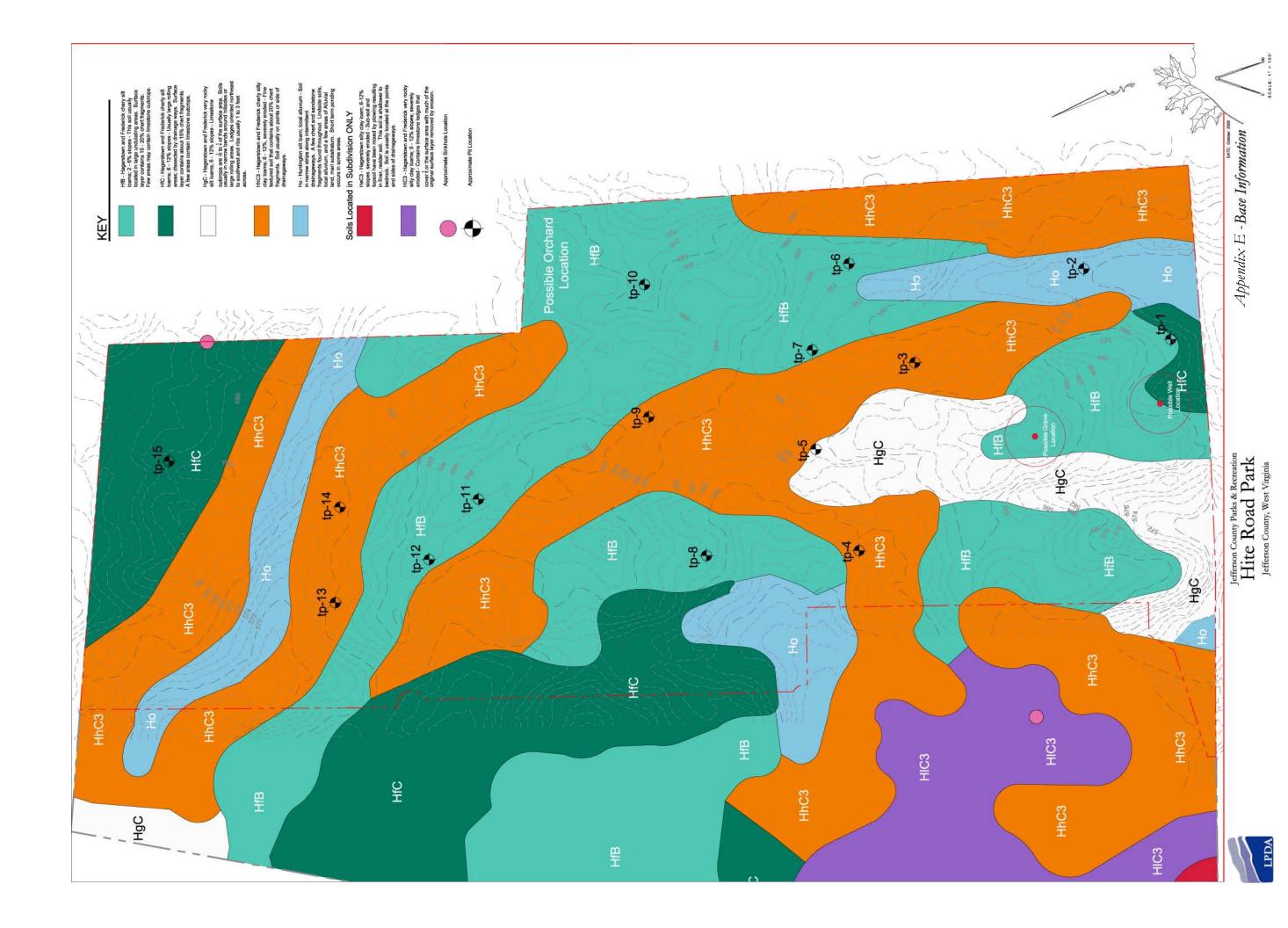


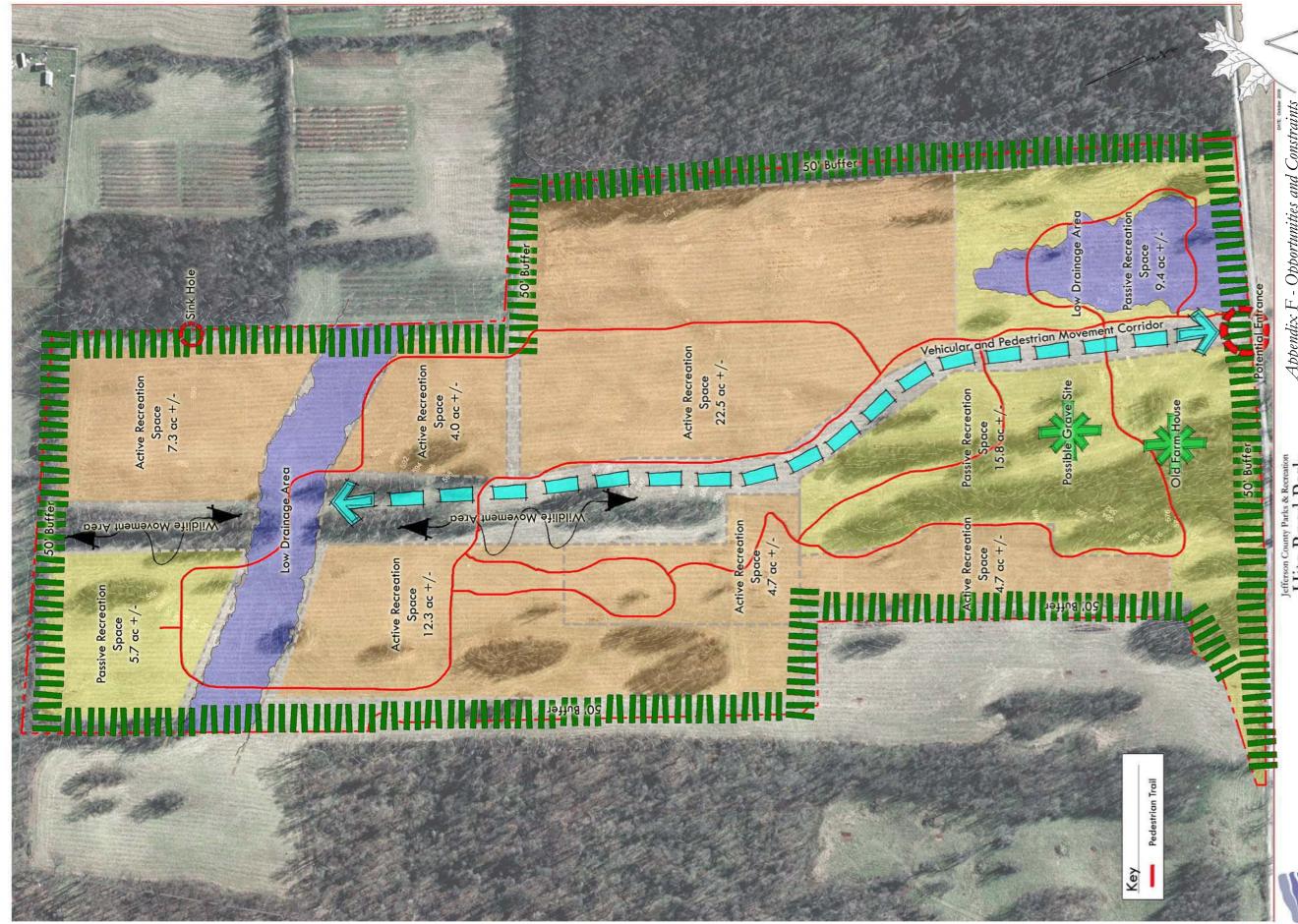
Appendix C-Regional Map













Appendix F - Opportunities and Constraints

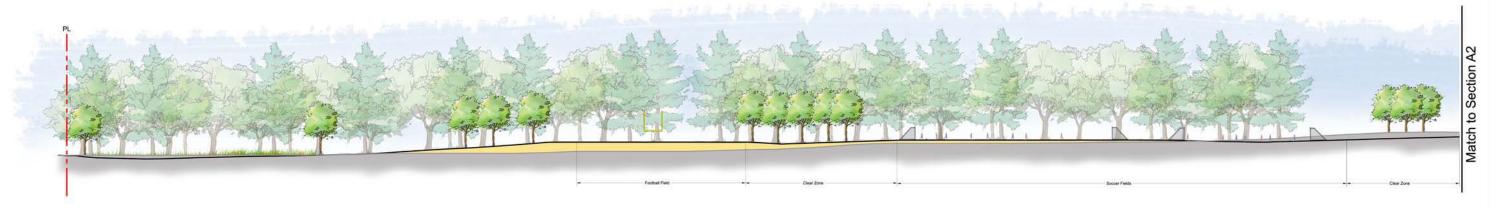
Jefferson County Parks & Recreation
Hite Road Park
Jefferson County, West Virginia



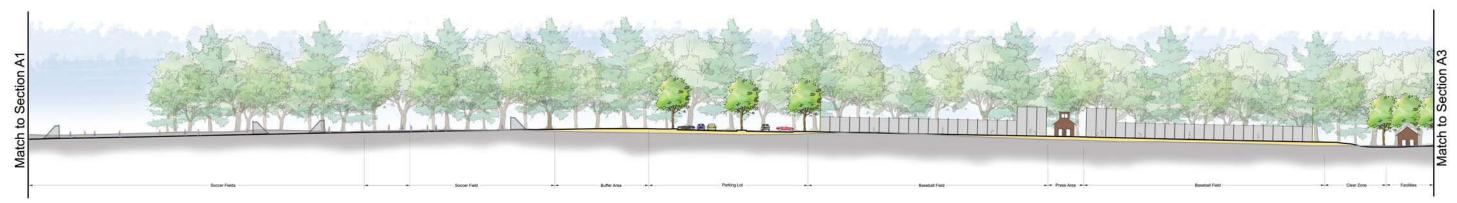




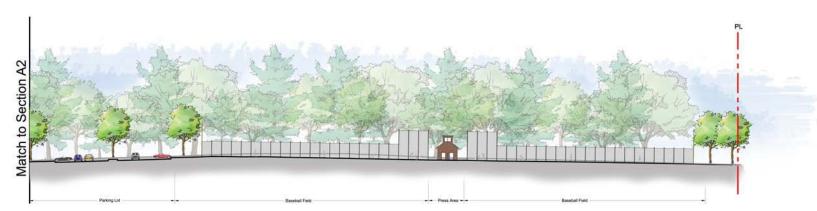
Appendix G - Conceptual Plan



Section A1 - Southern Property Line to Soccer Fields



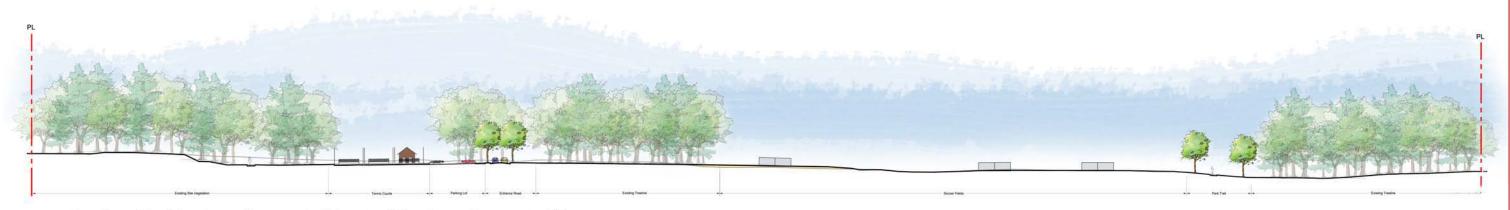
Section A2 - Soccer Fields to Field House



Section A3 - Field House to Northern Property Line



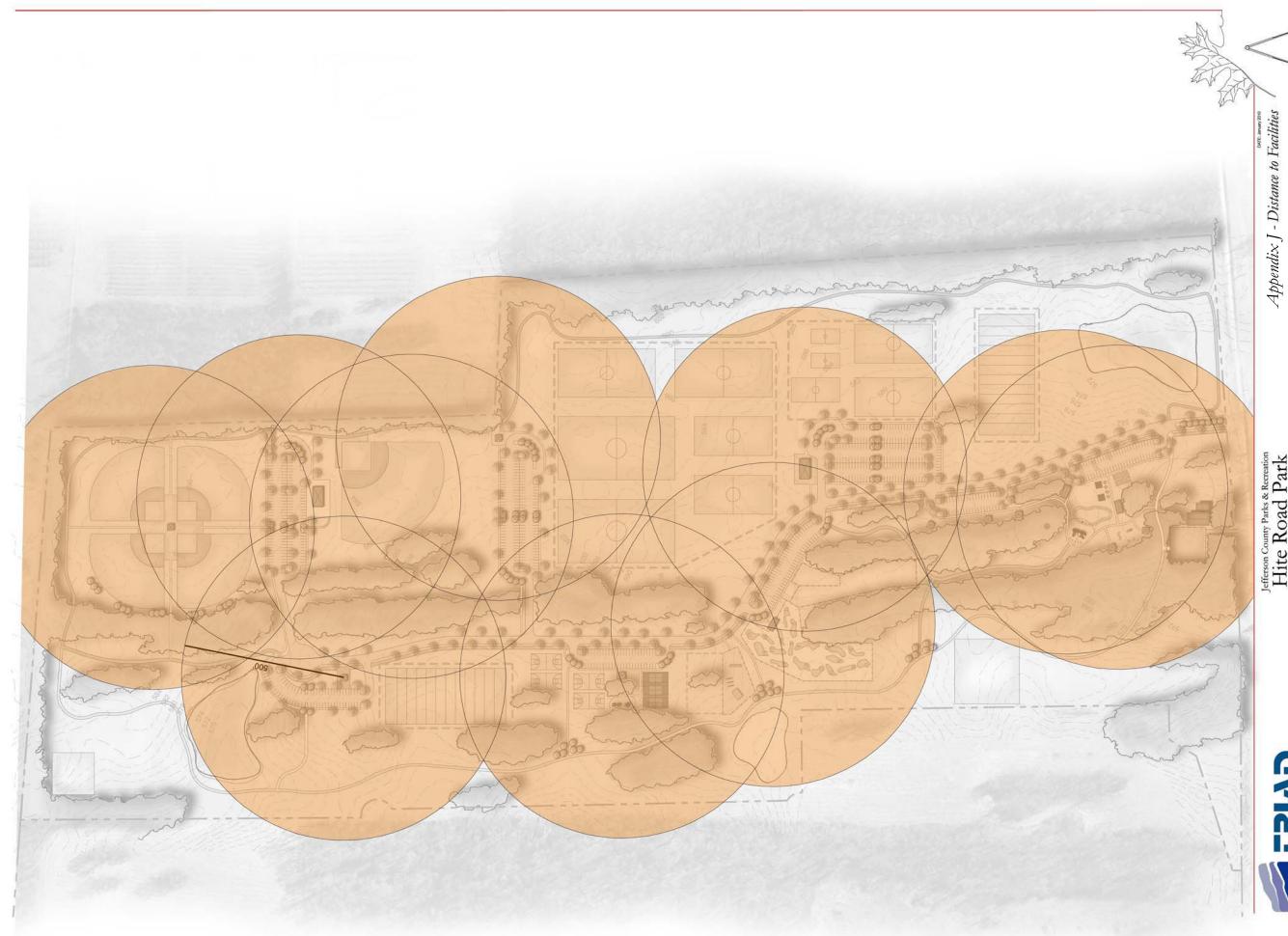
Appendix H - Site Sections



Section B - Eastern Property Line to Western Property Line

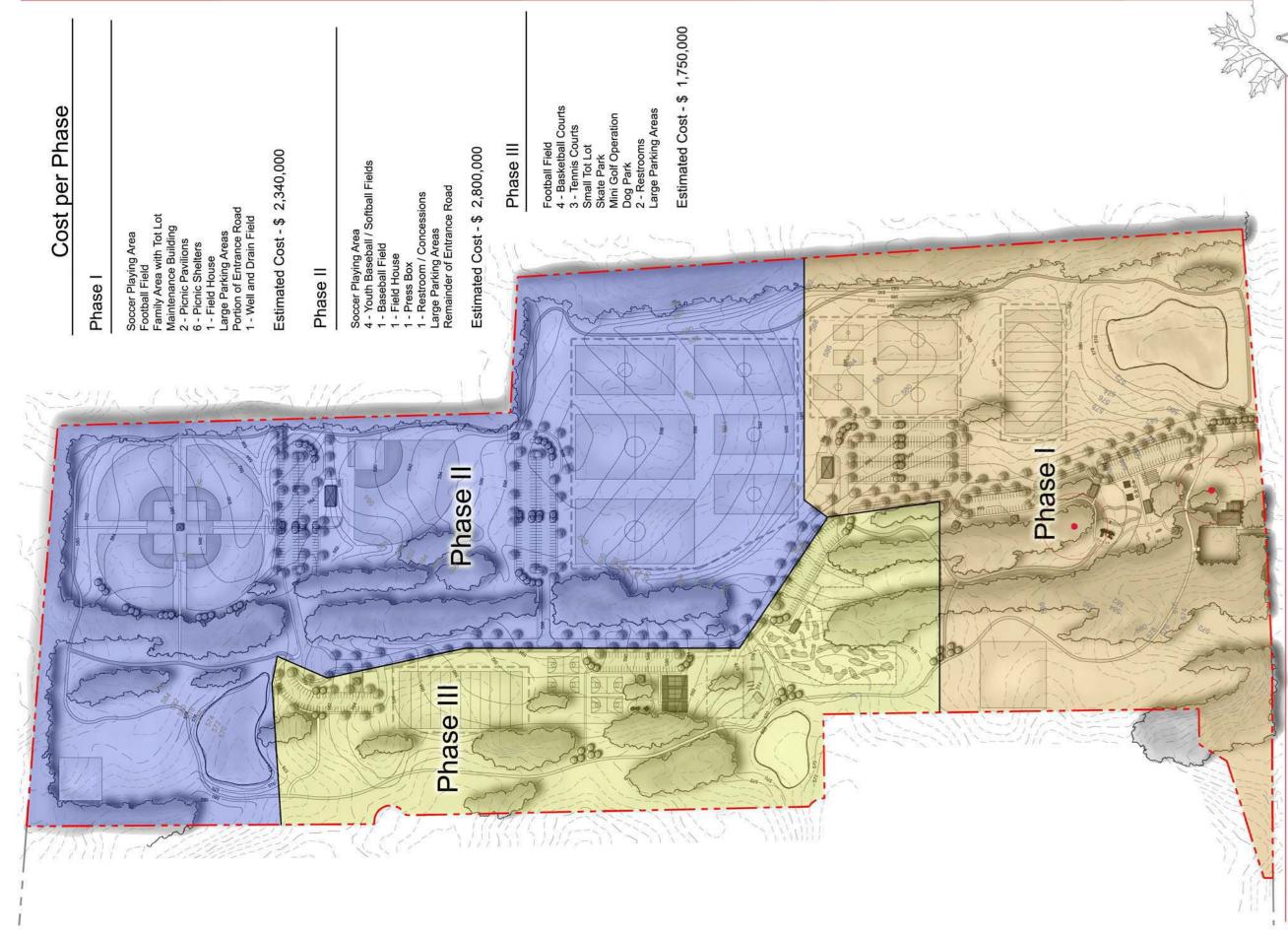


Appendix I - Site Sections











Appendix L - Phasing Plan

Hite Road Park

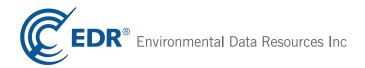
Hite Road Leetown, WV 25430

Inquiry Number: 2523617.1s

June 19, 2009

The EDR Radius Map™ Report with GeoCheck®

Appendix M



440 Wheelers Farms Road Milford, CT 06461 Toll Free: 800.352.0050 www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary.	ES1
Overview Map.	2
Detail Map.	
Map Findings Summary	4
Map Findings.	7
Orphan Summary.	18
Government Records Searched/Data Currency Tracking.	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map.	A-7
Physical Setting Source Map Findings.	A-8
Physical Setting Source Records Searched	A-21

Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

HITE ROAD LEETOWN, WV 25430

COORDINATES

Latitude (North): 39.356700 - 39° 21' 24.1" Longitude (West): 77.896500 - 77° 53' 47.4"

Universal Tranverse Mercator: Zone 18 UTM X (Meters): 250423.7 UTM Y (Meters): 4360155.0

Elevation: 613 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 39077-C8 MIDDLEWAY, WV

Most Recent Revision: 1978

North Map: 39077-D8 MARTINSBURG, WV

Most Recent Revision: 1997

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

Proposed NPL Proposed National Priority List Sites

NPL LIENS..... Federal Superfund Liens

Federal CERCLIS list

Federal CERCLIS NFRAP sit	te List
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
Federal RCRA CORRACTS f	acilities list
CORRACTS	Corrective Action Report
Federal RCRA non-CORRAC	CTS TSD facilities list
RCRA-TSDF	RCRA - Transporters, Storage and Disposal
Federal RCRA generators lis	st .
RCRA-SQG	RCRA - Large Quantity Generators RCRA - Small Quantity Generators RCRA - Conditionally Exempt Small Quantity Generator
Federal institutional control	s / engineering controls registries
	Engineering Controls Sites List Sites with Institutional Controls
Federal ERNS list	
ERNS	Emergency Response Notification System
State- and tribal - equivalent	CERCLIS
SHWS	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
State and tribal landfill and/o	or solid waste disposal site lists
SWF/LF	List of M.S.W. Landfills/Transfer Station Listing
State and tribal leaking store	age tank lists
	Leaking Underground Storage Tanks Leaking Underground Storage Tanks on Indian Land
State and tribal registered s	torage tank lists
USTINDIAN UST	Underground Storage Tank Database Underground Storage Tanks on Indian Land
State and tribal institutional	control / engineering control registries
	control / engineering control registries Sites with Institutional Controls
	Sites with Institutional Controls

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

Local Lists of Hazardous waste / Contaminated Sites

US CDL...... Clandestine Drug Labs CDL...... Drug Lab Site Locations

Local Land Records

LIENS 2..... CERCLA Lien Information

LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

CONSENT..... Superfund (CERCLA) Consent Decrees

UMTRA...... Uranium Mill Tailings Sites MINES...... Mines Master Index File

TRIS...... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

Act)/TSCA (Toxic Substances Control Act)

HIST FTTS...... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS......Integrated Compliance Information System

FINDS______Facility Index System/Facility Registry System RAATS______RCRA Administrative Action Tracking System

DRYCLEANERS..... Listing of Drycleaner Locations

NPDES...... Wastewater Discharge Permits Listing AIRS...... Permitted Facility and Emissions Listing

INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in **bold italics** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal Delisted NPL site list

Delisted NPL: The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may deleted from the NPL where no further response is appropriate.

A review of the Delisted NPL list, as provided by EDR, and dated 02/02/2009 has revealed that there is 1 Delisted NPL site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEETOWN PESTICIDE	ROAD 15/1 MIDDLEWAY AR	E WSW 1/2 - 1 (0.943 mi.)	1	7

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 04/23/2009 has revealed that there is 1 ROD

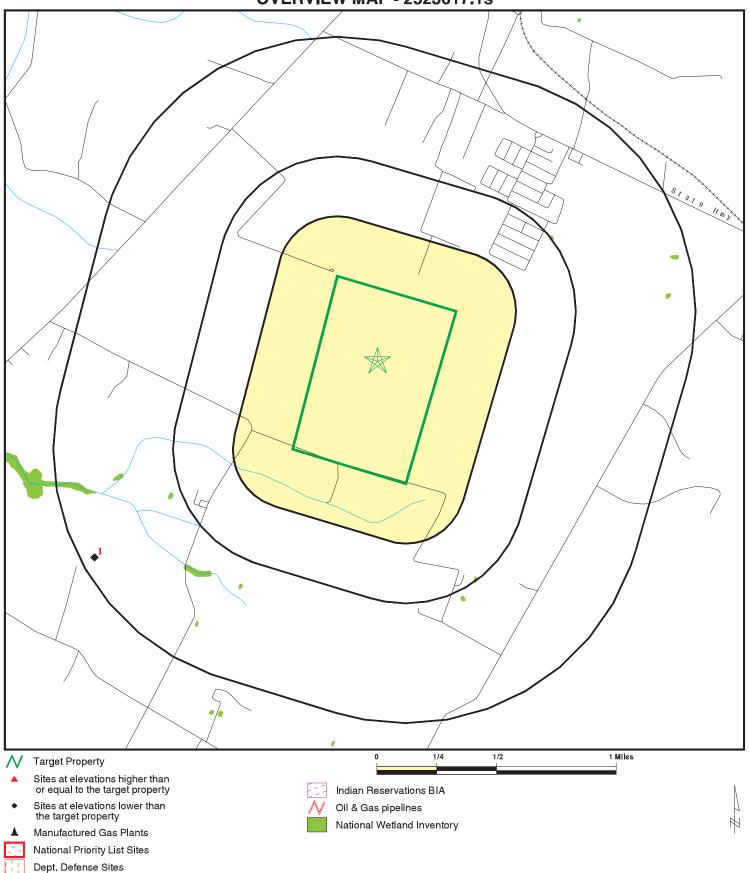
site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
LEETOWN PESTICIDE	ROAD 15/1 MIDDLEWAY AF	RE WSW 1/2 - 1 (0.943 mi.)	1	7

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
LIBERTY BUSINESS PARK RESUBDIVISIO MCKEE CROSSING BERKELEY SANITATION LEETOWN ABANDONED CHEM DRUM HARRY F CATROW HARDING'S SERVICE STATION JEFFERSON CO HEADQUARTERS 05191 MIDDLEWAY CASH & CARRY SHEETZ INC STORE #137 CRAIG'S MIDDLEWAY STOP HIGH'S DAIRY STORE 314 NICK'S GROCERY YOULER'S GROCERY MIDDLEWAY CASH & CARRY 7 SEAS CONVIENCE STORE HUDDLE CLUB NATIONAL FISHERIES RESEARCH CENT SERVICE STATION/E J THOMPSON	NPDES VCP CERC-NFRAP CERC-NFRAP LUST, UST UST UST UST UST UST UST UST UST

OVERVIEW MAP - 2523617.1s



SITE NAME: Hite Road Park ADDRESS: Hite Road

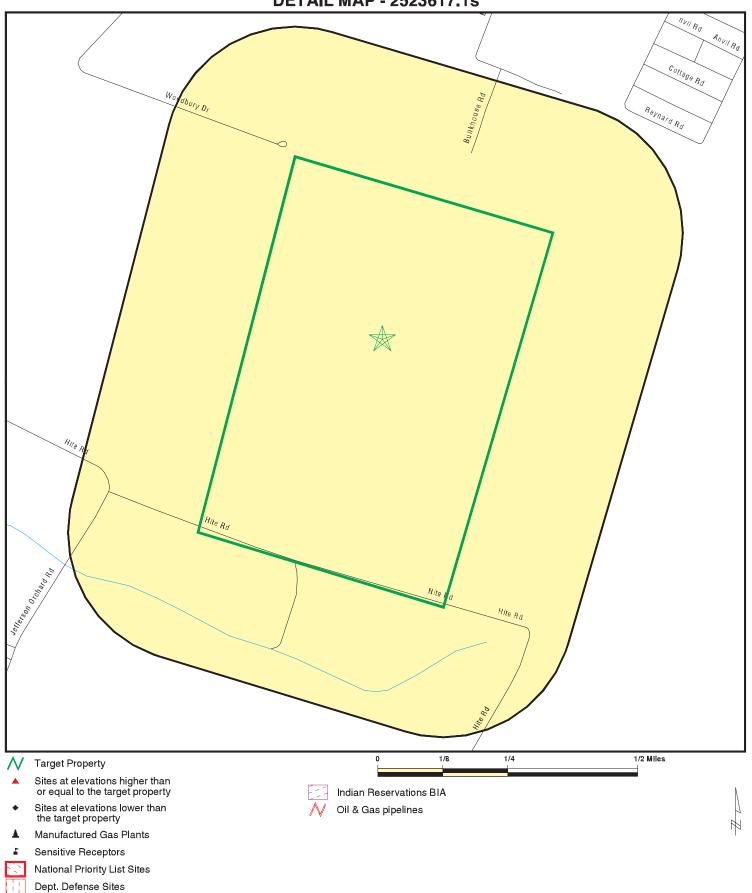
Leetown WV 25430 LAT/LONG: 39.3567 / 77.8965

Land Plan.&Design Assoc.,Inc.

CLIENT: Land Plan CONTACT: Zac Lette INQUIRY#: 2523617.1s

DATE: June 19, 2009 3:17 pm

DETAIL MAP - 2523617.1s



SITE NAME: Hite Road Park ADDRESS: Hite Road

Leetown WV 25430 LAT/LONG: 39.3567 / 77.8965

CLIENT: Land Plan CONTACT: Zac Lette Land Plan.&Design Assoc.,Inc.

INQUIRY#: 2523617.1s

DATE: June 19, 2009 3:17 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
STANDARD ENVIRONMENTAL RECORDS									
Federal NPL site list									
NPL Proposed NPL NPL LIENS		1.000 1.000 TP	0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0	
Federal Delisted NPL si	te list								
Delisted NPL		1.000	0	0	0	1	NR	1	
Federal CERCLIS list									
CERCLIS		0.500	0	0	0	NR	NR	0	
Federal CERCLIS NFRA	P site List								
CERC-NFRAP		0.500	0	0	0	NR	NR	0	
Federal RCRA CORRAC	TS facilities li	st							
CORRACTS		1.000	0	0	0	0	NR	0	
Federal RCRA non-CORRACTS TSD facilities list									
RCRA-TSDF		0.500	0	0	0	NR	NR	0	
Federal RCRA generato	rs list								
RCRA-LQG RCRA-SQG RCRA-CESQG		0.250 0.250 0.250	0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0	
Federal institutional cor engineering controls re									
US ENG CONTROLS US INST CONTROL		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0	
Federal ERNS list									
ERNS		TP	NR	NR	NR	NR	NR	0	
State- and tribal - equiva	alent CERCLIS	3							
SHWS		N/A	N/A	N/A	N/A	N/A	N/A	N/A	
State and tribal landfill a solid waste disposal sit									
SWF/LF		0.500	0	0	0	NR	NR	0	
State and tribal leaking	storage tank li	ists							
LUST INDIAN LUST		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0	
State and tribal register	ed storage tan	ık lists							
UST INDIAN UST		0.250 0.250	0 0	0 0	NR NR	NR NR	NR NR	0 0	

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal institutio control / engineering cor		s						
INST CONTROL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP VCP		0.500 0.500	0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	lds sites							
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ADDITIONAL ENVIRONMEN	TAL RECORDS	<u>3</u>						
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olid							
ODI DEBRIS REGION 9 INDIAN ODI		0.500 0.500 0.500	0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL CDL		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Local Land Records								
LIENS 2 LUCIS		TP 0.500	NR 0	NR 0	NR 0	NR NR	NR NR	0 0
Records of Emergency R	Release Repo	rts						
HMIRS SPILLS		TP TP	NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec	ords							
RCRA-NonGen DOT OPS DOD FUDS CONSENT ROD UMTRA MINES TRIS TSCA FTTS HIST FTTS SSTS		0.250 TP 1.000 1.000 1.000 0.500 0.250 TP TP TP TP TP	0 NR 0 0 0 0 0 NR NR NR NR NR	0 NR 0 0 0 0 0 NR NR NR NR NR	NR NR 0 0 0 0 NR NR NR NR NR	NR NR 0 0 1 NR NR NR NR NR NR	NR NR NR NR NR NR NR NR NR NR NR	0 0 0 0 1 0 0 0 0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECO	RDS							
EDR Proprietary Record	ls							
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

1 LEETOWN PESTICIDE CERCLIS 1000418130
WSW ROAD 15/1 MIDDLEWAY AREA FINDS WVD980693402

1/2-1 LEETOWN, WV 25430 Delisted NPL 0.943 mi.

ROD 4979 ft.

US ENG CONTROLS

Relative: CERCLIS:

Lower Site ID: 0303045

Federal Facility: Not a Federal Facility

Actual: NPL Status: Deleted from the Final NPL

531 ft. Non NPL Status: Not reported

CERCLIS Site Contact Name(s):

Contact Name: RICHARD M. FETZER

Contact Tel: (215) 814-3263

Contact Title: On-Scene Coordinator (OSC)

Contact Name: ANTHONY IACOBONE

Contact Tel: (215) 814-5237

Contact Title: Remedial Project Manager (RPM)

CERCLIS Site Alias Name(s):

Alias Name: ROBINSON PROPERTY

Alias Address: ROAD 15/1 MIDDLEWAY AREA

NEAR LEETOWN, WV 25430

Alias Name: LEETOWN PESTICIDE

Alias Address: Not reported

JEFFERSON, WV

Alias Name: LEETOWN PESTICIDE
Alias Address: RD 15/1 MIDDLEWAY AREA

NEAR LEETOWN, WV 25430

Alias Name: LEETOWN PESTICIDE

Alias Address: ROAD 15/1 MIDDLEWAY AREA

LEETOWN, WV 25430

Site Description: The Leetown Site is located in extreme northeastern West Virginia approximately

8 miles south of Martinsburg, West Virginia. The "site" is actually composed of a number of areas of concern relative to surface disposal of pesticides, agricultural useof pesticides, and landfilling. The study area has been defined as the Bell Spring Run and Blue and Gray Spring Run watersheds from the areas of contamination to the points of Interest (i.e. potential receptors).Land use in the study area is predominantly agricultural, dedicated to pasture or forage/row-crop production for dairy cattle operations. This is in contrast to orchards, which were the prevalent land use in the area in the past. Habitat

orchards, which were the prevalent land use in the area in the past. Habitat suitability for terrestrial wildlife and avifaunais restricted by the agricultural development. The upper reaches of the Bell Spring Run watershed are predominantly dedicated to pasture and row-crop production. This portion of the study area also encompasses the potential sources of environmental contamination. Fencerows located within the developed agricultural areas, as well as areas not presently being managed for pasture or crop production, frequently support dense growths of brambles that provide food, nesting, and escape cover for smallmammals.Small woodlots (less than 50 acres) may be found in the lower reaches of the watershed. In this vicinity they are accompanied by the most significant wetlands found in the study area. The latter are found on the lower reaches of Bell Spring Run, near National Fisheries Center (NFC) Reservoir A, and in the vicinity of Gray Spring Run. These wetlands have been mapped by the West Virginia Department of Natural Resources. Wildlife Resources

Division (WVDNR WRD), as Marsh No. 75, or the Hopewell Marsh, although they do not communicate. The northern component of the marsh occupies an area of 17 to

EDR ID Number

Map ID Direction Distance Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

LEETOWN PESTICIDE (Continued)

1000418130

20 acres on Bell Spring Run, while the southern component is a more nondescript area within the immediate recharge zone of Gray Spring. The occurrence of potential sources of contamination in the Leetown area may be associated with one or more of three distinct activities: 1) agricultural use of pesticides; 2) pesticide disposal; and 3) landfilling activities. A total of eight specific areas of waste disposal or accumulation were actually identified during initial Remedial Investigation (RI) study. Of these eight areas, two were the result of alleged disposal of pesticide-contaminated debris from a fire that occurred in 1975 at the Miller Chemical Company in nearby Ranson, West Virginia. These included the former pesticide pile area and the suspected pesticide landfarm area. Four of the contaminant sources are associated with former use of the land for orchard production. The Jefferson Orchard formerly occupied an area of approximately 170 acres on both sides of Route 15/1. This orchard was operated by Mr. John F. Ambrose from its purchase in 1937 until the late 1950s or early 1960s. The segment of the orchard to the east of Route 15/1 was sold to John F. and Luola G. Robinson in 1966. The present ownership of the tract to the west of Route 15/1 is held by the U.S. Fish & Wildlife Service (USF&WS), represented locally by the Leetown National Fisheries Center. A pesticide mixing shed was located at the intersection of Route 15/1 and Bell Spring Run, at the extreme southwestern corner of what is now the Robinson property. This shed was used during the active operation of the Jefferson Orchard to formulate pesticides. One of the apparent reasons for its proximity to Bell Spring Run was to provide a ready source of water with which to slurry the powdered pesticides for spray application. A second abandoned orchard, the Crimm Orchard, was located on lands now belonging to Mr. Lyle C. Tabb III. A former orchard packing shed presently stands approximately in the middle of Area 6 and has itself been identified as Area 7. In addition to serving as a packing shed for processing of the crop from the orchard, the eastern portion of this shed was apparently used for formulation of pesticides for application at the Crimm Orchard. The EPA was first made aware of the presence of drummed materials in the shed during the summer of 1984 by its present owner, Mr. Lyle C. Tabb III. The two remaining sites are active landfills. Area 3 is the Jefferson County Landfill, which has been in active operation since 1967 and has been under the control of the Jefferson County Commission since 1972. The landfill presently occupies about 37 acres, about 70 percent of which has been backfilled and reclaimed to vegetation. The operation is advancing from west to east and, while its estimated life in 1984 was only 5 years, expansion onto adjacent land owned by Jefferson County could extend its life for another 30 years or more. The second landfill within the study area has been noted as Area 8 and is associated with the West Virginia Department of Highways (WVDOH) maintenance garage at the intersection of Routes 15 and 15/1. Although this area may have been a local dump prior to the development of the Jefferson County Landfill, its use is presently restricted to the WVDOH. Access is controlled via a chain-link fence. The access gate is locked whenever the maintenance garage is closed. With the exception of residential parcels along roadways, most of the land in the interior of the watershed is presently held by the U.S. Fish & Wildlife Service (USF&WS), represented locally by the Leetown National Fisheries Cefiter (NFC), Julian and Luola Robinson, Jefferson County, Willard Lloyd, William Edwards, and Lyle C. Tabb III. Most of the land is devoted to pasture or to the production of grain and/or silage corn and small grains in rotation fordairy cattle feed. Historically, agricultural use of pesticides refers primarily to the use of DDT as a spray application to control insect damage to fruit. Two orchards existed in the watershed at one time. The largest of these was the Jefferson Orchard, operated by Mr. John F. Ambrose on lands now belonging to the USF&WS and the Robinsons. Mr. Ambrose purchased plot 26 on December 10, 1937. According to local accounts, the orchard was limited to this tract of land, on both sides of Jefferson Road (Route 15/1). A pesticide mixing shed was

Map ID Direction Distance Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

LEETOWN PESTICIDE (Continued)

1000418130

located at the intersection of Jefferson Road and Bell Spring Run on the eastern side of the roadway. Present remains of this shed include the stone foundation (approximate dimensions: 50 feet square) for the first floor and a 12-foot square concrete pad on the southern end of the foundation. The northern exposure of the foundation is keyed into the topography, while a wall consisting of 10 courses of concrete blocks separates the foundation from the concrete pad. No superstructure for the building persists, although steel pipes, approximately 8 feet on-center, protrude slightly from the concrete wall adjacent to the pad. This mixing shed was apparently used to formulate all of the pesticides used the Jefferson Orchard.In the late '50's or early '60's the Jefferson Orchard was abandoned. At that time Mr. Amrose apparently pastured beef cattle on the property before selling the portion of plot 26 to the west of Jefferson Roadto Mr. Arthur Dodson, Sr., and plot 26.2 to John F. and Luola G. Robinson. Both of these transactions took place on October 27, 1966. Mr. Dodson operated the property as a dairy farm until is death, at which time the operation of the farm was taken over by his nephew, Mr. Roy F. Dodson. Mr. Arthur Dodson's son, Arthur, Jr., presently resides on plot 26.7, acquired in 1974. Plot 26 was purchased by Albert M. and Felicidad C. Boholst on December 20, 1977, from the Dodsons, who subsequently conveyed the parcel to the Nature Conservancy on April 30, 1980 and to the USF&WS on March 6, 1984. Mr. Roy Dodson continues to operate the dairy farm, leasing the land from the USF&WS through the NFC. The second orchard in the watershed was the former Crimm Orchard, purchased as plot 23 by George R, Crimm on January 29, 1951, A packing shed was located on a hilltop in the central portion of this tract. The timber structure still remains, and is used by Mr. Lyle C. Tabb III as a storage building for hay and straw. Mr. Tabb purchased plot 23 from Mr. Crimm on August 24, 1966. The Crimm Orchard Packing Shed was apparently used for pesticide formulation, as well as for preparation of the crop for shipment. Drums containing liquid pesticide formulations, and bags of powdered materials such as guthion and dinitro-ortho-cresol were discovered by Mr. Tabb in the eastern portion of the structure in the summer of 1984. Mr. Tabb notified EPA of his finding. In response to this notification, the U.S. EPA conducted an assessment for removal action at this packing shed. After careful analysis and considering recommendations from the Centers for Disease Control, the EPA determined that no immediate threat was presented by the contamination and no removal action was warranted. Subsequently, this area was added to the "Leetown Site" for remedial consideration, since it was within the boundaries of the study area. Pesticide disposal areas are distinguished from areas of agricultural application of pesticides within the watershed. Residue containing pesticides was allegedly disposed at the Former Pesticide Pile Area on the Robinson property and at the Suspected Pesticide Landfarm, presently located on property owned by Willard Lloyd. Both disposal activities allegedly took place sometime prior to the spring of 1981 and allegedly may have involved pesticides and other debris from a 1975 fire at the Miller Chemical Company in Ranson, West Virginia, approximately five miles southeast of the Bell Spring Run watershed.Local accounts of the disposal activities agree only in that Mr. Arthur Dodson, Sr., was the principal. At the time of the alleged incident, Mr. Dodson was operated a dairy farm in the area, as noted above. One account indicates that spreadable debris from the Miller Chemical fire were landfarmed in 1975 on a tract of approximately 100 acres. This tract was being leased at the time of the disposal by Mr. Dodson from Mr. Jeffrey Sagel, and is now owned by Mr. Willard Lloyd. This account further indicates that debris which could not be spread was dumped on the Robinson property, also being leased at the time by Mr. Dodson. A second account suggests that the pesticide pile on the Robinson property, while originating from the Miller Chemical facility, consisted only of lime slag and fine material cleaned from the facility during normal housekeeping operations, and had little to do with the fire. The second

Map ID Direction Distance Elevation

Site

MAP FINDINGS

Database(s)

EDR ID Number EPA ID Number

LEETOWN PESTICIDE (Continued)

1000418130

account does not refer to any landfarming of pesticides on the Lloyd property. Irrespective of the means by which the pesticide pile was placed on the Robinson property, initial concern was raised by representatives of the Leetown NFC, based on analyses of the pile done in 1981. These analyses showed elevated levels of pesticides. During a subsequent site inspection by the West Virginia Department of Natural Resources (WVDNR) on August 26, 1981, it was determined that an area of about 1,000 square feet had been covered to a depth ofabout 4 feet with a crystalline material. Samples of the material and its immediate surroundings taken by the WVDNR on October 27, 1981, showed elevated levels of alpha-BHC pesticides (186,000 parts per billion [ppb]) as well as DDT (37,000 ppb) and DDE (63,300 ppb). In 1982 the Miller Chemical Company agreed to cooperate in removing the pile, but continued to maintain that the pile did not contain pesticides from the fire at its facility. Between April and June 1983 the Miller Chemical Company removed about 160 cubic yards of waste and soil material from the pile area. Two ongoing landfills represent the only significant, known activity of this type with the watershed. Historically, the first of these landfills occupies landpresently owned by the West Virginia Department of Highways (WVDOH), and is located immediately north of their maintenance facility at the intersection of Routes 6 (Darke Lane), 15, and 15/1. The solid waste landfill, as well as an associated road kill disposal area and limestone quarry, are operated solely for the use of the WVDOH, and are presently secured from unauthorized vehicle access by a chain link fence. According to a local resident, however, this landfill operated prior to development of the Jefferson County Landfill, discussed below, as a refuse disposal area for local residents. In particular, aerosol canisters of DDT produced by the Dixie-Narco Company in Charles Town were disposed of in the landfill. These canisters are known locally as DDT bombs, and were used for topical application of DDT to cattle to control flies. Typical waste handling practices at the landfill at the time of DDT bomb disposal included burning the refuse. A number of the canisters allegedly exploded during this process. The Jefferson County Landfill is located immediately east of the WVDOH maintenance garage, across Route 15/1. This municipal and industrial waste disposal facility has been active since 1967, with the Jefferson County Commission assuming responsibility for its operation in 1972. In 1981 the State Department of Health gave permission for the 3-M plant in Middleway, West Virginia, to place one truckload (approximately 5 cubic yards) of sludge in the landfill daily. However, this approval was rescinded when approximately 600 cubic yards of the sludge was deposited in the landfill during the first two days of the project. The Jefferson County Landfill has been listed in West Virginia's Open Dump Inventory as a potential candidate for further investigation relative to listing on the National Priorities List. The first step in this process, development of a Preliminary Assessment (PA), was undertaken by the WVDNR, Division of Water Resources, on April 4, 1984. It is anticipated that this process will continue, with ultimate ranking of the Jefferson County Landfill using the Hazard Ranking System (HRS), and evaluation of the possibility of inclusion of the site on the NPL. Since this was known to be the case, the actual investigation of the landfill focused on the potential offsite migration of contaminants throughout the groundwater and surface water systems, rather than on characterization of the landfill itself. The primary purpose of this was to determine the overall quality of the drinking water source (aquifer) in the Leetown Area, and, if any contamination was found, to pinpoint sources of that contamination to mitigate the problem. Similarly, the WVDOH landfill is part of an active facility and the responsibility for maintenance and safe operation of the landfill rests with the WVDNR. The RI attempted to define the potential for contaminant migration from this landfill via direct contact with landfill soils, but did not attempt to fully characterize the contents of the landfill. A sitewide Record of Decision (Operable Unit 01) was completed in

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

LEETOWN PESTICIDE (Continued)

1000418130

EDR ID Number

March of 1986.

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 05/01/1981
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT

Date Started: Not reported
Date Completed: 09/01/1981

Priority Level: Low priority for further assessment

Action: SITE INSPECTION

Date Started: 10/01/1981
Date Completed: 10/01/1981

Priority Level: Higher priority for further assessment

Action: HAZARD RANKING SYSTEM PACKAGE

Date Started: Not reported
Date Completed: 12/01/1982
Priority Level: Not reported

Action: PROPOSAL TO NATIONAL PRIORITIES LIST

Date Started: Not reported
Date Completed: 12/30/1982
Priority Level: Not reported

Action: Notice Letters Issued

Date Started: Not reported
Date Completed: 04/05/1983
Priority Level: Not reported

Action: REMOVAL
Date Started: 04/14/1983
Date Completed: 05/31/1983
Priority Level: Stabilized

Action: FINAL LISTING ON NATIONAL PRIORITIES LIST

Date Started: Not reported
Date Completed: 09/08/1983
Priority Level: Not reported

Action: REMEDIAL INVESTIGATION/FEASIBILITY STUDY WORKPLAN APPROVAL BY HQ

Date Started: Not reported
Date Completed: 10/15/1984
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)

Date Started: Not reported
Date Completed: 10/01/1985
Priority Level: Not reported

Action: ISSUE REQUEST LETTERS (104E)

Date Started: Not reported
Date Completed: 02/11/1986
Priority Level: Not reported

MAP FINDINGS Map ID

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LEETOWN PESTICIDE (Continued)

1000418130

Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH

Not reported Date Started: Date Completed: 02/15/1986

Priority Level: Search Complete, No Viable PRPs

Action: **ECOLOGICAL RISK ASSESSMENT**

Date Started: Not reported Date Completed: 03/01/1986 Priority Level: Not reported

COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY Action:

Date Started: 03/12/1984 Date Completed: 03/31/1986 Priority Level: Not reported

TECHNICAL ASSISTANCE Action:

Date Started: 09/27/1985 03/31/1986 Date Completed: Priority Level: Not reported

RECORD OF DECISION Action:

Date Started: Not reported Date Completed: 03/31/1986 Priority Level: Not reported

Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS

Date Started: 05/15/1986 Date Completed: 08/15/1986 Priority Level: Not reported

REMEDIAL DESIGN Action:

Date Started: 12/22/1986 Date Completed: 05/15/1987 Priority Level: Not reported

REMEDIAL DESIGN Action:

Date Started: 03/06/1987 Date Completed: 04/24/1988 Priority Level: Not reported

REMEDIAL ACTION Action:

Date Started: 04/03/1987 Date Completed: 06/08/1988 Priority Level: Not reported

REMOVAL ASSESSMENT Action:

Date Started: 05/24/1990 05/24/1990 Date Completed: Priority Level: Not reported

RISK/HEALTH ASSESSMENT Action:

Date Started: Not reported Date Completed: 08/08/1990 Priority Level: Not reported

Action: INFORMATION REPOSITORY ESTABLISHED

Date Started: Not reported Map ID MAP FINDINGS

Direction Distance Elevation

tance EDR ID Number vation Site Database(s) EPA ID Number

LEETOWN PESTICIDE (Continued)

1000418130

Date Completed: 02/06/1992
Priority Level: Not reported

Action: REMEDIAL ACTION

Date Started: 06/03/1988
Date Completed: 04/07/1992
Priority Level: Not reported

Action: CLOSE OUT REPORT

Date Started: Not reported
Date Completed: 04/07/1992
Priority Level: Not reported

Action: RECORD OF DECISION AMENDMENT

Date Started: Not reported Date Completed: 04/07/1992

Priority Level: Final Remedy Selected at Site

Action: DELETION FROM NATIONAL PRIORITIES LIST

Date Started: 06/14/1996
Date Completed: 08/29/1996
Priority Level: Not reported

Action: COMMUNITY INVOLVEMENT

Date Started: 03/01/1990
Date Completed: 08/29/1996
Priority Level: Not reported

FINDS:

Other Pertinent Environmental Activity Identified at Site

Registry ID: 110009318871

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

and initiation information

Delisted NPL:

EPA ID: WVD980693402
Site ID: 0303045
EPA Region: 03
Federal: No
Deleted Date: 8/29/1996

Category Details:

NPL Status: Deleted from the Final NPL

Category Description: Depth To Aquifer-> 25 And <= 50 Feet

Category Value: 27

NPL Status: Deleted from the Final NPL

Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile

Map ID MAP FINDINGS

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

LEETOWN PESTICIDE (Continued)

1000418130

Category Value: 150

Site Details:

Site Name: LEETOWN PESTICIDE

Site Status: Deleted Site Zip: 25430 Site City: **LEETOWN** Site State: WV Federal Site: No

JEFFERSON Site County: EPA Region: 03 Date Proposed: 12/30/82 Date Deleted: 8/29/1996 Date Finalized: 09/08/83

Substance Details:

NPL Status: Deleted from the Final NPL

Substance ID: Not reported Not reported Substance: CAS #: Not reported Not reported Pathway: Scoring: Not reported

NPL Status: Deleted from the Final NPL

Substance ID: A023 Substance: DDE CAS #: 72-55-9

SURFACE WATER PATHWAY Pathway:

Scoring:

NPL Status: Deleted from the Final NPL

Substance ID: U060 DDD Substance: 72-54-8 CAS #:

Pathway: NO PATHWAY INDICATED

Scoring:

NPL Status: Deleted from the Final NPL

Substance ID: U061 DDT Substance: CAS #: 50-29-3

Pathway: **GROUND WATER PATHWAY**

Scoring:

NPL Status: Deleted from the Final NPL

Substance ID: U061 DDT Substance: 50-29-3 CAS #:

SURFACE WATER PATHWAY Pathway:

Scoring:

NPL Status: Deleted from the Final NPL

U091 Substance ID:

Substance: DIMETHOXYBENZIDINE, 3,3'

CAS #: 119-90-4

Pathway: NO PATHWAY INDICATED Map ID MAP FINDINGS

Direction
Distance
Elevation

nce EDR ID Number ttion Site Database(s) EPA ID Number

LEETOWN PESTICIDE (Continued)

1000418130

Scoring:

NPL Status: Deleted from the Final NPL

1

Substance ID: U127

Substance: HEXACHLOROBENZENE

CAS #: 118-74-1

Pathway: GROUND WATER PATHWAY

Scoring: 3

NPL Status: Deleted from the Final NPL

Substance ID: U127

Substance: HEXACHLOROBENZENE

CAS #: 118-74-1

Pathway: SURFACE WATER PATHWAY

Scoring: 4

NPL Status: Deleted from the Final NPL

Substance ID: U129 Substance: LINDANE CAS #: 58-89-9

Pathway: GROUND WATER PATHWAY

Scoring: 3

NPL Status: Deleted from the Final NPL

Substance ID: U129 Substance: LINDANE CAS #: 58-89-9

Pathway: SURFACE WATER PATHWAY

Scoring: 3

Summary Details:

Conditions at listing December 1982): The Leetown Pesticide Site in Leetown, Jefferson County, West Virginia, may be a case of midnight dumping. A pile containing about 1,200 cubic yards of material is contaminated with several pesticides. Contamination of ground water, the only source of drinking water for the area, is the major concern. Possible contamination of Bells Spring, which supplies the Federal Fish Hatchery and National Fish Research Laboratory, is also of concern. Status July 1983): In April 1983, the contaminated pile was removed and properly disposed of by a potentially responsible party. The removal was conducted under the supervision of the State and EPA. Further testing is underway to check for possible residual contamination.

Site Status Details:

 NPL Status:
 Deleted

 Proposed Date:
 12/30/1982

 Final Date:
 09/08/1983

 Deleted Date:
 08/29/1996

Narratives Details:

NPL Name: LEETOWN PESTICIDE

City: LEETOWN State: WV

ROD:

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

LEETOWN PESTICIDE (Continued)

1000418130

EDR ID Number

Full-text of USEPA Record of Decision(s) is available from EDR.

US ENG CONTROLS:

EPA ID: WVD980693402

Site ID: 0303045

Name: LEETOWN PESTICIDE

Address: ROAD 15/1 MIDDLEWAY AREA

LEETOWN, WV 25430

EPA Region: 03

County: JEFFERSON
Event Code: Not reported
Actual Date: Not reported

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 3/31/1986 Planned Complet. date: 3/31/1986 Operable Unit: 01

Contaminated Media : Groundwater Engineering Control: Monitoring

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 3/31/1986 Planned Complet. date: 3/31/1986 Operable Unit: 01 Contaminated Media: Soil

Engineering Control: Bioremediation Treatment, (N.O.S.)

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 3/31/1986
Planned Complet. date: 3/31/1986
Operable Unit: 01
Contaminated Media: Soil
Engineering Control: Consolidate

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 3/31/1986
Planned Complet. date: 3/31/1986
Operable Unit: 01
Contaminated Media: Soil
Engineering Control: Disposal

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 3/31/1986
Planned Complet. date: 3/31/1986
Operable Unit: 01
Contaminated Media: Soil
Engineering Control: Excavation

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 3/31/1986 Planned Complet. date: 3/31/1986

Map ID MAP FINDINGS Direction

Distance
Elevation Site Database(

EDR ID Number Database(s) EPA ID Number

1000418130

LEETOWN PESTICIDE (Continued)

Operable Unit: 01

Contaminated Media : Solid Waste Engineering Control: Excavation

Action ID: 001

Action Name: RECORD OF DECISION

Action Completion date: 3/31/1986 Planned Complet. date: 3/31/1986 Operable Unit: 01

Contaminated Media : Solid Waste Engineering Control: Incineration

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BERKELEY	1003866244	BERKELEY SANITATION	5 M W OF HEDGESVILLE NW RTE 9	25430	CERC-NFRAP
COUNTY	S108426785	MCKEE CROSSING	ROUTE 9, WEST OF KEARNEYSVILLE	25430	VCP
KEARNEYSVILLE	U003348112	HARRY F CATROW	RT #1 BOX 95	25430	LUST, UST
KEARNEYSVILLE	1004802554	TRI COUNTY AUTOMOTIVE	RT 1 BOX 748	25430	FINDS, RCRA-CESQG
KEARNEYSVILLE	1004802776	S & C GARAGE	RT 1 BOX 209	25430	FINDS, RCRA-CESQG
KEARNEYSVILLE	U003436226	HARDING'S SERVICE STATION	RT 1 BOX 312	25430	LUST, UST
KEARNEYSVILLE	U003436256	NICK'S GROCERY	RT 1 BOX 327R	25430	UST
KEARNEYSVILLE	U003760751	JEFFERSON CO HEADQUARTERS 05191	RT 15 BOX 259	25430	LUST, UST
KEARNEYSVILLE	1007117213	7-ELEVEN #18665	RTE 2 BOX 467	25430	RCRA-SQG
KEARNEYSVILLE	U003436220	YOULER'S GROCERY	RT 2 BOX 530 F	25430	UST
KEARNEYSVILLE	S104817274	MIDDLEWAY CASH & CARRY	RT 480 LEETOWN SUMMIT PT PIKE	25430	LUST
KEARNEYSVILLE	U003436257	MIDDLEWAY CASH & CARRY	RT 480 LEETOWN SUMMIT PT PIKE	25430	UST
KEARNEYSVILLE	1004802395	OPEQUON AUTOMOTIVE	RTE 9	25430	FINDS, RCRA-CESQG
KEARNEYSVILLE	1004802934	ROGERS GARAGE	RT 9 PO BOX 192	25430	FINDS, RCRA-NonGen
KEARNEYSVILLE	1004803672	TEES AND MORE	RTE 9 & RTE 480 W CORNER	25430	FINDS, RCRA-NonGen
KEARNEYSVILLE	1005419053	CENTERVILLE CONCRETE	RT 9	25430	FINDS, RCRA-NonGen
KEARNEYSVILLE	U003848399	7 SEAS CONVIENCE STORE	RT 9 E FOX GLEN SUBDIVISION	25430	UST
KEARNEYSVILLE	U003989071	HUDDLE CLUB	RT 9	25430	UST
KEARNEYSVILLE	U003360661	NATIONAL FISHERIES RESEARCH CENT	COUNTY RT 1 KEARNEYSVILLE RD B	25430	UST
KEARNEYSVILLE	1008375790	SHEETZ STORE #137	INTERSECTION OF RT 9 & RT 480	25430	RCRA-SQG
KEARNEYSVILLE	U003760742	SHEETZ INC STORE #137	INTERSECTION RT 9 & RT 480	25430	LUST, UST
KEARNEYSVILLE	1011534930	GREEN ACRES MOBILE HOME PARK	3 MILES W OF CHARLES TOWN ON C	25430	ICIS
KEARNEYSVILLE	1006257333	GREEN ACRES MOBILE HOME PARK	3 MILES W OF CHARLES TOWN ON C	25430	FINDS
KEARNEYSVILLE	1005419063	LAWRENCE CROUSE WORKSHOP	.2 N OF RT 9	25430	FINDS, RCRA-NonGen
KEARNEYSVILLE	1010339352	WAYDE HOLMES PROPERTY	OFF RT 9, EAST	25430	RCRA-NonGen
KEARNEYSVILLE	U003760756	CRAIG'S MIDDLEWAY STOP	RFD 1 RT 51	25430	LUST, UST
KEARNEYSVILLE	S109244640	7 ELEVEN STORE NO 18665	WV ROUTE 9	25430	MANIFEST
KEARNEYSVILLE	S108042724	LIBERTY BUSINESS PARK RESUBDIVISIO	WV RT 9	25430	NPDES
KEARNEYSVILLE	U000676618	SERVICE STATION/E J THOMPSON	ST RT 2	25430	UST
KEARNEYSVILLE	U003760755	HIGH'S DAIRY STORE 314	WV RT 9	25430	LUST, UST
KEARNEYSVILLE	1000880506	WVU-EHS EXP FARM & KEARNEYSVILLE	9 MI S OF RT 81 AT MARTINSBURG	25430	FINDS, RCRA-CESQG
LEETOWN	1003866533	LEETOWN ABANDONED CHEM DRUM	COUNTY RTE 15	25430	CERC-NFRAP

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/02/2009 Source: EPA
Date Data Arrived at EDR: 02/12/2009 Telephone: N/A

Date Made Active in Reports: 03/30/2009 Last EDR Contact: 04/20/2009

Number of Days to Update: 46 Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/23/2009 Source: EPA
Date Data Arrived at EDR: 04/28/2009 Telephone: N/A

Number of Days to Update: 21 Next Scheduled EDR Contact: 07/27/2009
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Source: EPA

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Telephone: 202-564-4267 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

NPL where no further response is appropriate.

Date of Government Version: 02/02/2009
Date Data Arrived at EDR: 02/12/2009
Date Made Active in Reports: 03/30/2009

Number of Days to Update: 46

Source: EPA Telephone: N/A

Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/27/2009 Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2009 Date Data Arrived at EDR: 01/30/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 101

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 05/29/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007 Date Data Arrived at EDR: 12/06/2007 Date Made Active in Reports: 02/20/2008

Number of Days to Update: 76

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 06/15/2009

Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2009 Date Data Arrived at EDR: 04/02/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 39

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 06/01/2009

Next Scheduled EDR Contact: 08/31/2009 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/31/2009 Date Data Arrived at EDR: 04/22/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 13

Source: Environmental Protection Agency Telephone: 703-603-0695

Next Scheduled EDR Contact: 06/29/2009

Data Release Frequency: Varies

Last EDR Contact: 03/30/2009

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/31/2009 Date Data Arrived at EDR: 04/22/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 01/30/2009 Date Made Active in Reports: 05/19/2009

Number of Days to Update: 109

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 05/12/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Department of Environmental Protection

Telephone: 304-926-0455 Last EDR Contact: 06/15/2009

Next Scheduled EDR Contact: 09/14/2009

Data Release Frequency: N/A

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: List of M.S.W. Landfills/Transfer Station Listing

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/24/2006 Date Data Arrived at EDR: 10/25/2006 Date Made Active in Reports: 11/30/2006

Number of Days to Update: 36

Source: Division of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/09/2009 Date Data Arrived at EDR: 03/24/2009 Date Made Active in Reports: 05/08/2009

Number of Days to Update: 45

Source: Division of Environmental Protection

Telephone: 304-558-4253 Last EDR Contact: 03/24/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 06/04/2009 Date Data Arrived at EDR: 06/05/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 12

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/15/2008 Date Data Arrived at EDR: 12/16/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 90

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/24/2009 Date Data Arrived at EDR: 05/20/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 28

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/20/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/20/2009 Date Data Arrived at EDR: 05/20/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 9

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/24/2009 Date Data Arrived at EDR: 03/03/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 63

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 25

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 06/01/2009 Date Data Arrived at EDR: 06/03/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 14

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/14/2008 Date Data Arrived at EDR: 10/15/2008 Date Made Active in Reports: 11/20/2008

Number of Days to Update: 36

Source: Division of Environmental Protection

Telephone: 304-759-0515 Last EDR Contact: 05/12/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 06/04/2009 Date Data Arrived at EDR: 06/05/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 12

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/15/2008 Date Data Arrived at EDR: 12/16/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 90

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 06/01/2009 Date Data Arrived at EDR: 06/03/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 14

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2008 Date Data Arrived at EDR: 12/30/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 76

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 05/22/2009

Next Scheduled EDR Contact: 08/17/2009

Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/20/2009 Date Data Arrived at EDR: 05/20/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 9

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 09/08/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 10/16/2008

Number of Days to Update: 27

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/24/2009 Date Data Arrived at EDR: 03/03/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 63

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 25

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 05/17/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Sites with Institutional Controls Sites that have institutional controls in place.

> Date of Government Version: 12/01/2008 Date Data Arrived at EDR: 01/06/2009 Date Made Active in Reports: 02/27/2009

Number of Days to Update: 52

Source: Department of Environmental Protection

Telephone: 304-558-2508 Last EDR Contact: 06/16/2009

Next Scheduled EDR Contact: 09/14/2009

Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 12/01/2008 Date Data Arrived at EDR: 01/06/2009 Date Made Active in Reports: 02/27/2009

Number of Days to Update: 52

Source: Department of Environmental Protection

Telephone: 304-558-2745 Last EDR Contact: 06/16/2009

Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing

Brownfields are abandoned, idle or underused commercial or industrial properties, where the expansion or redevelopment is hindered by real or perceived contamination. Brownfields vary in size, location, age, and past use -- they can be anything from a five-hundred acre automobile assembly plant to a small, abandoned corner gas station.

Date of Government Version: 12/29/2008 Date Data Arrived at EDR: 12/29/2008 Date Made Active in Reports: 02/27/2009

Number of Days to Update: 60

Source: Department of Environmental Protection

Telephone: 304-926-0455 Last EDR Contact: 05/26/2009

Next Scheduled EDR Contact: 06/29/2009

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008 Date Data Arrived at EDR: 11/14/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 05/20/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008 Date Data Arrived at EDR: 04/17/2008 Date Made Active in Reports: 05/15/2008

Number of Days to Update: 28

Source: EPA, Region 9 Telephone: 415-972-3336 Last EDR Contact: 04/07/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 05/26/2009

Next Scheduled EDR Contact: 08/24/2009 Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 10/31/2008 Date Made Active in Reports: 12/23/2008

Number of Days to Update: 53

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/26/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Quarterly

CDL: Drug Lab Site Locations

A listing of clandestine drug lab site locations.

Date of Government Version: 04/07/2009 Date Data Arrived at EDR: 04/10/2009 Date Made Active in Reports: 05/08/2009

Number of Days to Update: 28

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 06/08/2009

Next Scheduled EDR Contact: 09/07/2009

Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/29/2009 Date Data Arrived at EDR: 06/03/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 05/18/2009

Next Scheduled EDR Contact: 08/17/2009 Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005 Date Data Arrived at EDR: 12/11/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 06/08/2009

Next Scheduled EDR Contact: 09/07/2009

Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/31/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 43

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 04/16/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Annually

SPILLS: Spills Listing

A listing of spills and releases reported to the Office of Emergency Services, they do not include any TRI information.

Date of Government Version: 05/22/2008 Date Data Arrived at EDR: 08/20/2008 Date Made Active in Reports: 08/29/2008

Number of Days to Update: 9

Source: Office of Emergency Services

Telephone: 304-558-5380 Last EDR Contact: 05/18/2009

Next Scheduled EDR Contact: 08/17/2009

Data Release Frequency: Varies

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous

waste.

Date of Government Version: 11/12/2008 Date Data Arrived at EDR: 11/18/2008 Date Made Active in Reports: 03/16/2009

Number of Days to Update: 118

Source: Environmental Protection Agency

Telephone: 800-438-2474 Last EDR Contact: 04/23/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008 Date Data Arrived at EDR: 05/28/2008 Date Made Active in Reports: 08/08/2008

Number of Days to Update: 72

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 05/27/2009

Next Scheduled EDR Contact: 08/24/2009

Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 703-692-8801 Last EDR Contact: 05/08/2009

Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 09/05/2008 Date Made Active in Reports: 09/23/2008

Number of Days to Update: 18

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 01/27/2009 Date Data Arrived at EDR: 04/23/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 18

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 04/21/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/23/2009 Date Data Arrived at EDR: 04/28/2009 Date Made Active in Reports: 05/19/2009

Number of Days to Update: 21

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 01/05/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 05/08/2009

Number of Days to Update: 1

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 06/15/2009

Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/19/2009 Date Data Arrived at EDR: 03/24/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 03/24/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 04/09/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 69

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 06/16/2009

Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002 Date Data Arrived at EDR: 04/14/2006 Date Made Active in Reports: 05/30/2006

Number of Days to Update: 46

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 04/14/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the

Agency on a quarterly basis.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 06/15/2009

Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 06/15/2009

Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006 Date Data Arrived at EDR: 03/14/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 05/18/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 03/20/2009 Date Data Arrived at EDR: 03/20/2009 Date Made Active in Reports: 05/05/2009

Number of Days to Update: 46

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 04/13/2009

Next Scheduled EDR Contact: 07/13/2009 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 02/26/2009 Date Data Arrived at EDR: 05/20/2009 Date Made Active in Reports: 05/29/2009

Number of Days to Update: 9

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 05/04/2009

Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/02/2009 Date Data Arrived at EDR: 04/24/2009 Date Made Active in Reports: 05/19/2009

Number of Days to Update: 25

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/28/2009 Date Data Arrived at EDR: 04/29/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 04/29/2009

Next Scheduled EDR Contact: 07/27/2009 Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/28/2009 Date Data Arrived at EDR: 05/01/2009 Date Made Active in Reports: 05/19/2009

Number of Days to Update: 18

Source: EPA

Telephone: (215) 814-5000 Last EDR Contact: 03/30/2009

Next Scheduled EDR Contact: 06/29/2009 Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 02/19/2009 Date Made Active in Reports: 05/22/2009

Number of Days to Update: 92

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 06/08/2009

Next Scheduled EDR Contact: 09/07/2009 Data Release Frequency: Biennially

DRYCLEANERS: Listing of Drycleaner Locations

A listing of drycleaners which use perchloroethylene.

Date of Government Version: 03/12/2009 Date Data Arrived at EDR: 03/13/2009 Date Made Active in Reports: 05/08/2009

Number of Days to Update: 56

Source: Department of Environmental Protection

Telephone: 304-926-0475 Last EDR Contact: 06/08/2009

Next Scheduled EDR Contact: 09/07/2009

Data Release Frequency: Varies

NPDES: Wastewater Discharge Permits Listing A listing of wastewater discharge permits.

Date of Government Version: 02/11/2009 Date Data Arrived at EDR: 02/12/2009 Date Made Active in Reports: 02/27/2009

Number of Days to Update: 15

Source: Department of Environmental Protection

Telephone: 304-926-0495 Last EDR Contact: 05/11/2009

Next Scheduled EDR Contact: 08/10/2009 Data Release Frequency: Varies

AIRS: Permitted Facility and Emissions Listing

Permitted facility and emissions information listing.

Date of Government Version: 03/10/2009 Date Data Arrived at EDR: 03/17/2009 Date Made Active in Reports: 05/08/2009

Number of Days to Update: 52

Source: Department of Environmental Protection

Telephone: 304-926-0499 Last EDR Contact: 05/18/2009

Next Scheduled EDR Contact: 08/17/2009

Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 05/08/2009

Next Scheduled EDR Contact: 08/03/2009 Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 04/13/2009 Date Data Arrived at EDR: 04/14/2009 Date Made Active in Reports: 06/17/2009

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 06/08/2009

Next Scheduled EDR Contact: 08/10/2009 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management,

Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 05/08/2009

Next Scheduled EDR Contact: 08/03/2009

Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 05/05/2009

Number of Days to Update: 17

Telephone: N/A Last EDR Contact: 05/05/2009 Date Made Active in Reports: 05/22/2009

Next Scheduled EDR Contact: 08/03/2009

Data Release Frequency: Annually

Source: Department of Environmental Protection

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/27/2009 Date Data Arrived at EDR: 02/25/2009 Date Made Active in Reports: 03/12/2009

Number of Days to Update: 15

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 05/27/2009

Next Scheduled EDR Contact: 08/24/2009 Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2007 Date Data Arrived at EDR: 09/11/2008 Date Made Active in Reports: 10/02/2008

Number of Days to Update: 21

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/08/2009

Next Scheduled EDR Contact: 09/07/2009 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2008 Date Data Arrived at EDR: 02/12/2009 Date Made Active in Reports: 03/11/2009

Number of Days to Update: 27

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 06/15/2009

Next Scheduled EDR Contact: 09/14/2009 Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2007

Date Data Arrived at EDR: 08/22/2008 Date Made Active in Reports: 09/08/2008

Number of Days to Update: 17

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 04/07/2009

Next Scheduled EDR Contact: 07/06/2009 Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Center List Source: Office of Social Services Telephone: 304-558-7980

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HITE ROAD PARK HITE ROAD LEETOWN, WV 25430

TARGET PROPERTY COORDINATES

Latitude (North): 39.35670 - 39° 21' 24.1" Longitude (West): 77.8965 - 77° 53' 47.4"

Universal Tranverse Mercator: Zone 18 UTM X (Meters): 250423.7 UTM Y (Meters): 4360155.0

Elevation: 613 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 39077-C8 MIDDLEWAY, WV

Most Recent Revision: 1978

North Map: 39077-D8 MARTINSBURG, WV

Most Recent Revision: 1997

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

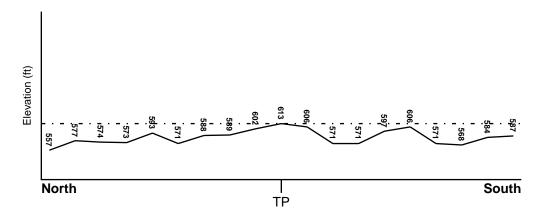
TOPOGRAPHIC INFORMATION

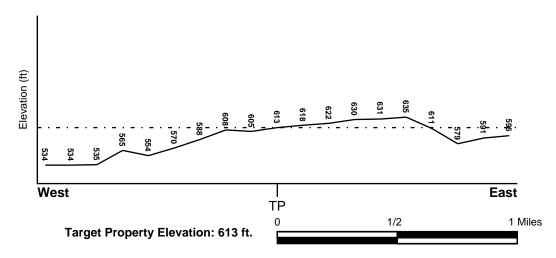
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County FEMA Flood Electronic Data

JEFFERSON, WV Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

MIDDLEWAY YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Paleozoic Category: Stratified Sequence

System: Ordovician Series: Ordovician

Code: O (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: HAGERSTOWN

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to

water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 80 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 6.00 Min: 0.60	Max: 6.50 Min: 4.50
2	8 inches	20 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 7.30 Min: 4.50
3	20 inches	72 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 5.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam

Surficial Soil Types: silty clay loam

Shallow Soil Types: silt loam

Deeper Soil Types: channery - silt loam

stratified

loam

unweathered bedrock

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS2220194	1/4 - 1/2 Mile WSW
A3	USGS2220050	1/4 - 1/2 Mile East
A4	USGS2220052	1/4 - 1/2 Mile East
5	USGS2220259	1/2 - 1 Mile SSW
6	USGS2220041	1/2 - 1 Mile West
7	USGS2220153	1/2 - 1 Mile WSW
8	USGS2220082	1/2 - 1 Mile West
B9	USGS2220267	1/2 - 1 Mile SE
C10	USGS2220162	1/2 - 1 Mile WSW
C11	USGS2220161	1/2 - 1 Mile WSW
13	USGS2220040	1/2 - 1 Mile East
D14	USGS2220177	1/2 - 1 Mile WSW
D15	USGS2220178	1/2 - 1 Mile WSW
16	USGS2220042	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

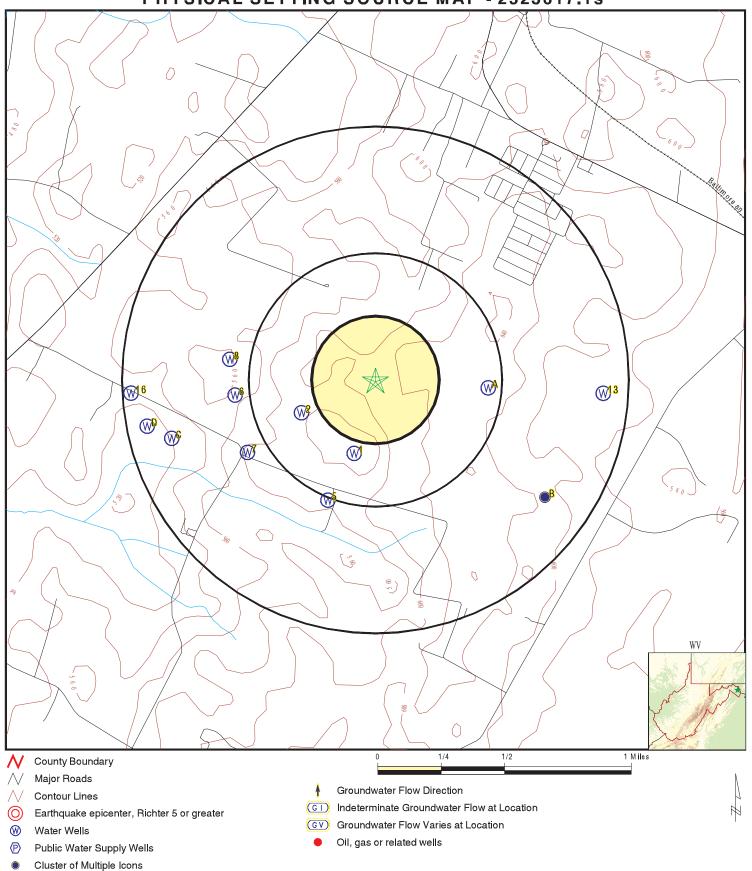
MAP ID	WELL ID	FROM TP
No PWS System Found		-

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	WVWELL0715	1/4 - 1/2 Mile SSW
B12	WVWELL1699	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 2523617.1s



SITE NAME: Hite Road Park
ADDRESS: Hite Road

CLIENT: Land Plan.&Design Assoc.,Inc.
CONTACT: Zac Lette

Leetown WV 25430 INQUIRY #: 2523617.1s DATE: June 19, 2009 3:17 pm

Map ID Direction Distance

Elevation Database EDR ID Number

SSW 1/4 - 1/2 Mile WV WELLS WVWELL0715

Lower

Lower

Id number: 2025 Pwsid: WV3301908

Sys name: FOX GLEN UTILITIES

Facility id: 564067 Fac name: WELL #2

City: **KEARNEYSVILLE** County: **JEFFERSON** Act status: Water type: Groundwater Owner type: Private Daily prod: 0 683 Sys popula: Sys type: Community -77.898056 Latitude: 39.3525 Longitude: Elevation: 0 Updated: Not Reported

Wdate: Not Reported Descriptio: Not Reported

User initi:Not ReportedGudi statu:NoSourcetype:KarstWhp radius:2000Prod gpd:0Conv facto:0

Calc pop: 0 Seasonbegi: Not Reported

Season end: Not Reported Facility type: Well

2 WSW FED USGS USGS2220194 1/4 - 1/2 Mile

Agency cd: USGS Site no: 392117077540801

Site name: Jef-0332 Latitude: 392117

 Longitude:
 0775408
 Dec lat:
 39.35482268

 Dec lon:
 -77.90194076
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

Dec latlong datum: NAD83 District: 54
State: 54 County: 037
Country: Net Box

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported Altitude: 500.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 10

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Hillside (slope)

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aguifer: Not Reported

Well depth: Not Reported Hole depth: Not Reported

Source of depth data: Not Reported

Project number: Not Reported

Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported

Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

A3 East FED USGS USGS2220050

1/4 - 1/2 Mile Higher

Agency cd: USGS Site no: 392122077531901

Site name: Jef-0336 Latitude: 392122

Longitude: 0775319 Dec lat: 39.35621155

 Dec Ion:
 -77.88832937
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 54

 State:
 54
 County:
 037

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 625.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 10

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Hilltop

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: CONOCOCHEAGUE FORMATION

Well depth: 80.0 Hole depth: Not Reported

Source of depth data: Not Reported Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0
Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

Peak flow data begin date: 0000-00-00

Peak flow data count: 0

Water quality data begin date: 0000-00-00

Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 1974-09-01 Ground water data end date: 1974-09-01

Ground water data count:

Ground-water levels, Number of Measurements: 1

Feet below Feet to te Surface Sealevel

Date Surface Sealevel

1974-09-01 70.00

Higher

A4
East FED USGS USGS2220052
1/4 - 1/2 Mile

TC2523617.1s Page A-9

Agency cd: USGS Site no: 392123077531701

Site name: Jef-0604 Latitude: 392122.6

Longitude: 0775317.0 Dec lat: 39.35627778

 Dec Ion:
 -77.88805556
 Coor meth:
 G

 Coor accr:
 1
 Latlong datum:
 NAD83

 Dec latlong datum:
 NAD83
 District:
 54

 State:
 54
 County:
 037

Country: US Land net: Not Reported Location map: Middleway Map scale: 24000

Altitude: 586

Altitude method: Global Positioning System

Altitude accuracy: .1

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Hilltop

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 20040701 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: CONOCOCHEAGUE FORMATION

Well depth: 200 Hole depth: 200

Source of depth data: driller
Project number: 2486BCI00

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00
Peak flow data count: 0000-00-00
Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 2004-07-01 Ground water data end date: 2004-07-01

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

2004-07-01 59.78

5 SSW FED USGS USGS2220259 1/2 - 1 Mile

Agency cd: USGS Site no: 392059077540101

Site name: Jef-0317 Latitude: 392059

Longitude: 0775401 Dec lat: 39.34982275

Dec Ion: -77.89999626 Coor meth: М Coor accr: S Latlong datum: NAD27 NAD83 Dec latlong datum: District: 54 State: 54 County: 037

Country: US Land net: Not Reported Location map: Not Reported Map scale: Not Reported

Altitude: 570.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 20

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Hillside (slope)

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aguifer Type: Not Reported

Aquifer: BEEKMANTOWN GROUP

Well depth: 40.0 Hole depth: Not Reported

Source of depth data: other reported

Project number: Not Reported

Real time data flag: Not Reported Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

6 West FED USGS USGS2220041 1/2 - 1 Mile

1/2 - 1 Mil Lower

Agency cd: USGS Site no: 392121077542401

Site name: Jef-0650 Latitude: 392121.0

Longitude: 0775424.6 Dec lat: 39.35583333

 Dec Ion:
 -77.90683333
 Coor meth:
 G

 Coor accr:
 1
 Latlong datum:
 NAD83

 Dec latlong datum:
 NAD83
 District:
 54

 State:
 54
 County:
 037

Country: US Land net: Not Reported Location map: Middleway Map scale: 24000

Altitude: 560

Altitude method: Global Positioning System

Altitude accuracy: 1

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 20040430 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: BEEKMANTOWN GROUP

Well depth: 265 Hole depth: 265

Source of depth data: reporting agency (generally USGS)

Project number: 2486BCI00

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 2004-04-30 Ground water data end date: 2004-04-30

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

2004-04-30 60.80

/
WSW
FED USGS USGS2220153
1/2 - 1 Mile

1/2 - 1 M Lower

Agency cd: USGS Site no: 392109077542101

Site name: Jef-0660

 Latitude:
 392109.2

 Longitude:
 0775421.3
 Dec lat:

 Dec lon:
 -77.90591667
 Coor meth:

 Dec Ion:
 -77.90591667
 Coor meth:
 G

 Coor accr:
 1
 Latlong datum:
 NAD83

 Dec Iatlong datum:
 NAD83
 District:
 54

 State:
 54
 County:
 037

Country: US Land net: Not Reported Location map: Middleway Map scale: 24000

Altitude: 551

Altitude method: Global Positioning System

Altitude accuracy: 1

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Hillside (slope)

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 20040621 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: BEEKMANTOWN GROUP

Well depth: 115 Hole depth: 115

Source of depth data: driller
Project number: 2486BCI00

Real time data flag: 0 Daily flow data begin date: 0000-00-00 Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 2004-06-21 Ground water data end date: 2004-06-21

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

2004-06-21 40.47

Lower

8 West FED USGS USGS2220082 1/2 - 1 Mile

TC2523617.1s Page A-12

39.35255556

Agency cd: USGS Site no: 392128077542701

Site name: Jef-0340 Latitude: 392128

 Longitude:
 0775427
 Dec lat:
 39.35787819

 Dec lon:
 -77.90721866
 Coor meth:
 M

 Coor accr:
 S
 Latlong datum:
 NAD27

 Dec latlong datum:
 NAD83
 District:
 54

State:54County:037Country:USLand net:Not ReportedLocation map:Not ReportedMap scale:Not Reported

Altitude: 545.00

Altitude method: Interpolated from topographic map
Altitude accuracy: 10
Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Hilltop

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: Not Reported Mean greenwich time offset: EST

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: Not Reported

Well depth: 270 Hole depth: Not Reported

Source of depth data: owner

Project number: Not Reported

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data count: 0000-00-00 Water quality data begin date: 1974-09-18

Water quality data end date:1974-09-18 Water quality data count: 1

Ground water data begin date: 1974-09-01 Ground water data end date: 1974-09-01

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1974-09-01 50.00

B9
SE FED USGS USGS2220267

1/2 - 1 Mile Higher

Agency cd: USGS Site no: 392100077530501

Site name: Jef-0494 Latitude: 392100.0

39.35 Longitude: 0775304.9 Dec lat: Dec Ion: -77.88469444 Coor meth: G Coor accr: Latlong datum: NAD83 NAD83 Dec latlong datum: District: 54 State: 54 County: 037

Country: US Land net: Not Reported Location map: Middleway Map scale: 24000

Altitude: 653

Altitude method: Global Positioning System

Altitude accuracy: 1

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Hilltop

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 20040701 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aguifer: CONOCOCHEAGUE FORMATION

Well depth: 139 Hole depth: 139

Source of depth data: reporting agency (generally USGS)

Project number: 2486BCI00

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 2004-07-01 Ground water data end date: 2004-07-01

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to Date Surface Sealevel

2004-07-01 68.32

C10
WSW
FED USGS USGS2220162
1/2 - 1 Mile
Lower

Agency cd: USGS Site no: 392112077544102

 Site name:
 Jef-0600

 Latitude:
 392112.1

 Longitude:
 0775441.4

39.35336111 Dec lat: Dec Ion: -77.9115 Coor meth: G Coor accr: Latlong datum: NAD83 NAD83 Dec latlong datum: 54 District: 54 County: 037 State:

Country: US Land net: Not Reported Location map: Map scale: 24000

Altitude: 509.30

Altitude method: Level or other surveying method

Altitude accuracy: .1

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 20030715

Date inventoried: Date construction: 20030715

Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aguifer: ROCKDALE RUN FORMATION

Well depth: 79 Hole depth: 90

Source of depth data: reporting agency (generally USGS)

Project number: 2486A3O00

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 2003-07-21 Ground water data end date: 2005-03-17

Ground water data count: 21

Ground-water levels, Number of Measurements: 21

Date	Feet below Surface	Feet to Sealevel		Date	Feet below Surface	Feet to Sealevel
2005 02 47	40.00			2005 00 47	40.04	
2005-03-17	12.08			2005-02-17	12.04	
2005-01-26	10.43			2005-01-04	10.83	
2004-11-16	12.60			2004-10-21	12.96	
2004-09-20	14.15			2004-08-23	13.40	
2004-07-20	11.87			2004-06-22	8.44	
2004-05-25	8.08			2004-04-21	4.82	
2004-03-24	8.01			2004-02-23	4.51	
2004-01-16	8.12			2003-12-30	4.77	
2003-11-18	10.97			2003-10-28	11.49	
2003-09-23	9.98			2003-08-19	11.59	
2003-07-21	8.50					

C11
WSW
FED USGS USGS2220161
1/2 - 1 Mile

Agency cd: USGS Site no: 392112077544101

Site name: Jef-0588 Latitude: 392112.1

Lower

Longitude: 0775441.4 Dec lat: 39.35336111

 Dec Ion:
 -77.9115
 Coor meth:
 G

 Coor accr:
 1
 Latlong datum:
 NAD83

 Dec latlong datum:
 NAD83
 District:
 54

 State:
 54
 County:
 037

Country: US Land net: Not Reported Location map: Map scale: 24000

Altitude: 512.58

Altitude method: Level or other surveying method

Altitude accuracy: .1

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 20030911

Date inventoried: 20030911 Mean greenwich time offset: EST

Local standard time flag:

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: ROCKDALE RUN FORMATION

Well depth: 150 Hole depth: 220

Source of depth data: reporting agency (generally USGS)

Project number: 2486A3O00

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data count: 0 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 2003-09-23 Ground water data end date: 2005-03-17

Ground water data count: 19

Ground-water levels, Number of Measurements: 19

2005-03-17 15.35 2005-02-17 15.31

Ground-water levels, continued.						
	Feet below	Feet to		Feet below	Feet to	
Date	Surface	Sealevel	Date	Surface	Sealevel	
2005-01-26	13.72		2005-01-04	14.10		
2004-11-16	15.85		2004-10-21	16.20		
2004-09-20	17.40		2004-08-23	16.66		
2004-07-20	15.13		2004-06-22	11.69		
2004-05-25	11.33		2004-04-21	8.09		
2004-03-24	11.24		2004-02-23	8.15		
2004-01-16	11.35		2003-12-30	8.01		
2003-11-18	14.24		2003-10-28	14.75		
2003-09-23	13.24					

1/2 - 1 Mile Lower

Id number: 716 Pwsid: WV9919002

Sys name: APPALACHIAN FRUIT AND BERRY

Facility id: 565663 Fac name: WELL

City: KEARNEYSVILLE County: JEFFERSON Act status: A Water type: Groundwater

Owner type: Federal Daily prod: 0

Sys popula: 100 Sys type: Non Transient Non Community

Latitude: 39.35 Longitude: -77.883333 Elevation: 0 Updated: Not Reported

Wdate: Not Reported Descriptio: Not Reported

User initi:Not ReportedGudi statu:NoSourcetype:KarstWhp radius:2000Prod gpd:5000Conv facto:50

Calc pop: 100 Seasonbegi: Not Reported Season end: Not Reported Facility type: Well

13 East FED USGS USGS2220040

1/2 - 1 Mile Lower

Agency cd: USGS Site no: 392121077524801

Site name: Jef-0474 Latitude: 392121

 Longitude:
 0775248
 Dec lat:
 39.35593378

 Dec lon:
 -77.87971807
 Coor meth:
 M

 Coor accr:
 F
 Lattong datum:
 NAD27

Coor accr:FLatlong datum:NAD27Dec latlong datum:NAD83District:54State:54County:037Country:USLand net:Not Reported

Country: US Land net: Not Republication map: MIDDLEWAY Map scale: 24000

Altitude: 590.00

Altitude method: Interpolated from topographic map

Altitude accuracy: 10

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Valley flat

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 19850516 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aguifer Type: Not Reported

Aguifer: BEEKMANTOWN GROUP

Well depth: Not Reported Hole depth: Not Reported

Source of depth data: Not Reported

Project number: 445405800
Real time data flag: Not Reported

Daily flow data begin date: Not Reported Daily flow data end date: Not Reported Daily flow data count: Not Reported Peak flow data begin date: Not Reported Peak flow data end date: Not Reported Peak flow data count: Not Reported Water quality data begin date: Not Reported Water quality data end date:Not Reported Water quality data count: Not Reported Ground water data begin date: Not Reported Ground water data end date: Not Reported

Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

D14
WSW FED USGS USGS2220177
1/2 - 1 Mile

Lower

Agency cd: USGS Site no: 392115077544801

Site name: Jef-0589 Latitude: 392114.6

Longitude: 0775447.9 Dec lat: 39.35405556

 Dec Ion:
 -77.91330556
 Coor meth:
 G

 Coor accr:
 1
 Latlong datum:
 NAD83

 Dec latlong datum:
 NAD83
 District:
 54

 State:
 54
 County:
 037

Country: US Land net: Not Reported Location map: Map scale: 24000

Altitude: 516.76

Altitude method: Level or other surveying method

Altitude accuracy: 0.1

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 20030922

Date inventoried: 20030922 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: ROCKDALE RUN FORMATION

Well depth: 260 Hole depth: 260

Source of depth data: reporting agency (generally USGS)

Project number: 2486A3O00

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 2003-09-23 Ground water data end date: 2005-03-17

Ground water data count: 19

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 19

ļ	Date	Feet below Surface	Feet to Sealevel	С	Date	Feet below Surface	Feet to Sealevel
	2005-03-17	20.70		2	 2005-02-17	20.63	
	2005-01-26	19.06		_	005-01-04	19.43	
	2004-11-16	21.19		2	2004-10-21	21.42	
	2004-09-20	22.51		2	2004-08-23	21.89	
	2004-07-20	20.48		2	2004-06-22	16.89	
	2004-05-25	16.59		2	2004-04-21	13.6	
	2004-03-24	16.62		2	2004-02-23	13.48	
	2004-01-16	16.60		2	2003-12-30	13.36	
	2003-11-18	19.59		2	2003-10-28	19.01	
	2003-09-23	18.33					

D15
WSW
FED USGS USGS2220178
1/2 - 1 Mile

Lower

Agency cd: USGS Site no: 392115077544802

Site name: Jef-0598 Latitude: 392114.6

Longitude: 0775447.9 Dec lat: 39.35405556

Dec Ion: -77.91330556 Coor meth: G Coor accr: Latlong datum: NAD83 Dec latlong datum: NAD83 District: 54 037 State: 54 County: Country: US Land net: Not Reported

Location map: middleway Map scale: 24000

Altitude: 515.43

Altitude method: Level or other surveying method

Altitude accuracy: .1

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: 20030716 Date inventoried: Date onstruction: 20030716 Mean greenwich time offset: EST

Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aguifer: ROCKDALE RUN FORMATION

Well depth: 41.5 Hole depth: 42

Source of depth data: reporting agency (generally USGS)

Project number: 2486A3O00

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 2003-07-21 Ground water data end date: 2005-03-17

Ground water data count: 21

Ground-water levels, Number of Measurements: 21

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface			
2005-03-17	19.37		2005-02-17	19.29			
2005-01-26	17.73		2005-01-04	18.10			

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-wate	Feet below	Feet to		Feet below	Feet to
Date	Surface	Sealevel	Date	Surface	Sealevel
2004-11-16	19.86		2004-10-21	20.11	
2004-09-20	21.18		2004-08-23	20.58	
2004-07-20	19.16		2004-06-22	15.59	
2004-05-25	15.27		2004-04-21	12.32	
2004-03-24	15.23		2004-02-23	11.90	
2004-01-16	15.28		2003-12-30	12.08	
2003-11-18	18.53		2003-10-28	18.69	
2003-09-23	17.01		2003-08-19	18.86	
2003-07-21	15.75				

16
West FED USGS USGS2220042
1/2 - 1 Mile
Lower

Agency cd: USGS Site no: 392121077545201

Site name: Jef-0623 Latitude: 392121.4

Longitude: 0775452.2 Dec lat: 39.35594444

 Dec Ion:
 -77.9145
 Coor meth:
 G

 Coor accr:
 1
 Latlong datum:
 NAD83

 Dec Iatlong datum:
 NAD83
 District:
 54

 State:
 54
 County:
 037

Country: US Land net: Not Reported Location map: Map scale: 24000

Altitude: 541

Altitude method: Global Positioning System

Altitude accuracy: 1

Altitude datum: National Geodetic Vertical Datum of 1929

Hydrologic: ConococheagueOpequon. Maryland, Pennsylvania, Virginia, West Virginia. Area = 2250 sq.mi.

Topographic: Undulating

Site type: Ground-water other than Spring Date construction: Not Reported

Date inventoried: 20040517 Mean greenwich time offset: EST

Local standard time flag: Y

Type of ground water site: Single well, other than collector or Ranney type

Aquifer Type: Not Reported

Aquifer: CONOCOCHEAGUE FORMATION

Well depth: 135 Hole depth: 135

Source of depth data: reporting agency (generally USGS)

Project number: 2486BCI00

Real time data flag: 0 Daily flow data begin date: 0000-00-00

Daily flow data end date: 0000-00-00 Daily flow data count: 0

Peak flow data begin date: 0000-00-00 Peak flow data count: 0 Peak flow data end date: 0000-00-00 Water quality data begin date: 0000-00-00

Water quality data end date:0000-00-00 Water quality data count: 0

Ground water data begin date: 2004-05-17 Ground water data end date: 2004-05-17

Ground water data count: 1

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

2004-05-17 39.40

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 25430

Number of sites tested: 138.

Maximum Radon Level: 101.0 pCi/L. Minimum Radon Level: 1.2 pCi/L.

pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
<4	4-10	10-20	20-50	50-100	>100
48 (34.78%)	50 (36.23%)	18 (13.04%)	18 (13.04%)	2 (1.45%)	2 (1.45%)

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after

August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

West Virginia Water Well Information Source: Bureau of Public Health Telephone: 304-558-6765

OTHER STATE DATABASE INFORMATION

West Virginia Oil and Gas Well Database

Source: Department of Environmental Protection

Telephone: 304-926-0450

Oil and Gas well locations in the state.

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Hite Road Park

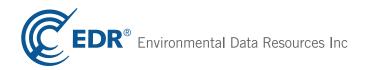
Hite Road Leetown, WV 25430

Inquiry Number: 2523617.2s

June 19, 2009

EDR NEPACheck®

Appendix N



440 Wheelers Farms Road Milford, CT 06461 Toll Free: 800.352.0050 www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	PAGE
EDR NEPACheck® Description	. 1
Map Findings Summary	2
Natural Areas	. 3
Historic Sites	5
Flood Plain	8
Wetlands	10
Wetlands Classification System	12
FCC & FAA Sites	16
Key Contacts and Government Records Searched	20

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section Natural Areas Map • Federal Lands Data:	Regulation
 Officially designated wilderness areas Officially designated wildlife preserves, sanctuaries and refuges 	47 CFR 1.1307(1) 47 CFR 1.1307(2)
 Wild and scenic rivers Fish and Wildlife Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available) 	40 CFR 6.302(e) 40 CFR 6.302 47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map • National Register of Historic Places • State Historic Places (where available) • Indian Reservations	47 CFR 1.1307(4); 40 CFR 6.302
Flood Plain Map • National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map • National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
 FCC & FAA Map FCC antenna/tower sites, AM Radio Towers, FAA Markings and Obstructions, AM Radio Interference Zones, Airports, Topographic gradient 	47 CFR 1.1307(8)

Key Contacts and Government Records Searched

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 20 of this report.

TARGET PROPERTY ADDRESS

HITE ROAD PARK Inquiry #: 2523617.2s HITE ROAD Date: 6/19/9 LEETOWN, WV 25430

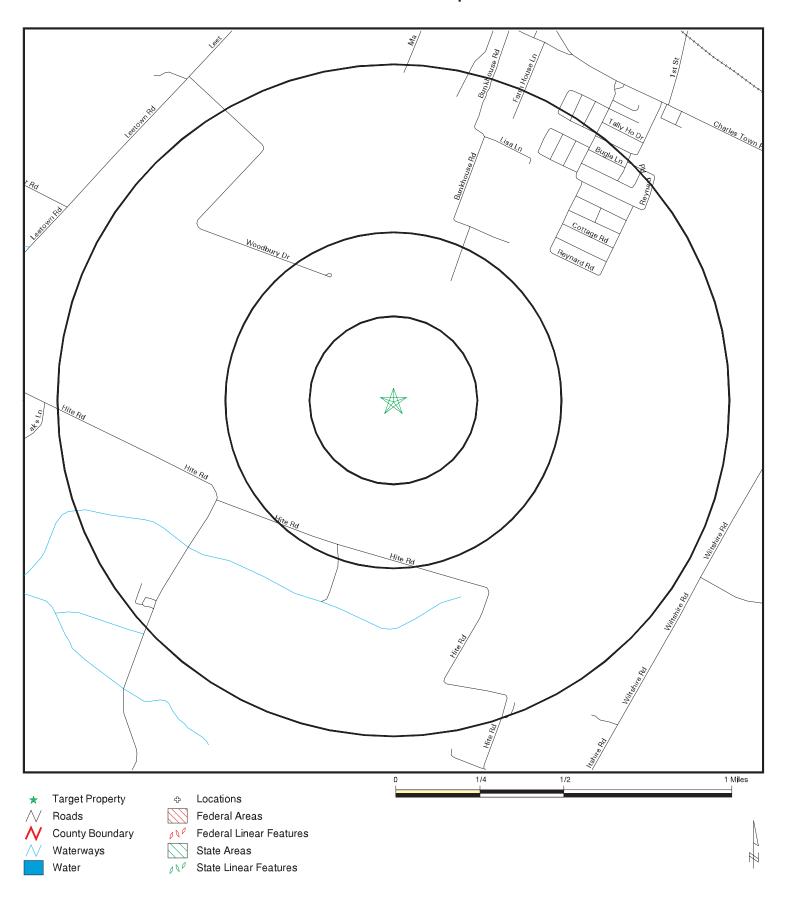
TARGET PROPERTY COORDINATES

Latitude (North): 39.356701 - 39° 21' 24.1" Longitude (West): 77.896500 - 77° 53' 47.4"

Universal Tranverse Mercator: Zone 18
UTM X (Meters): 250423.7
UTM Y (Meters): 4360155.0

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
NATURAL AREAS MAP				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
HISTORIC SITES MAP				
1.1307a (4) Listed or eligible for National Register	National Register Hist. Places	1.00	YES	NO
1.1307a (4) Listed or eligible for National Register	WV Historic Sites	1.00	NO	NO
	Indian Reservation	1.00	NO	NO
	APPAL_TRAIL	1.00	NO	NO
FLOODPLAIN MAP				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	NO	NO
WETLANDS MAP				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	NO
FCC & FAA SITES MAP				
<u> </u>	FCC Cellular	1.00	NO	NO
	FCC Antenna	1.00	NO	NO
	FCC Tower	1.00	NO	NO
	FCC AM Tower	1.00	NO	NO
	FAA DOF	1.00	NO	NO
	Airports	1.00	NO	
	Power Lines	1.00	NO	

Natural Areas Map



SITE NAME: Hite Road Park Land Plan.&Design Assoc.,Inc.

CLIENT: Land Plan.& CONTACT: Zac Lette INQUIRY#: 2523617.2s ADDRESS: Hite Road Leetown WV 25430 LAT/LONG: TC2523617.2s Page 3 of 25 39.3567 / 77.8965 DATE: June 19, 2009

NATURAL AREAS MAP FINDINGS

Endangered Species Listed for: JEFFERSON County, WV.
Source: EPA Endangered Species Protection Program Database MAMMAL: BAT, INDIANA

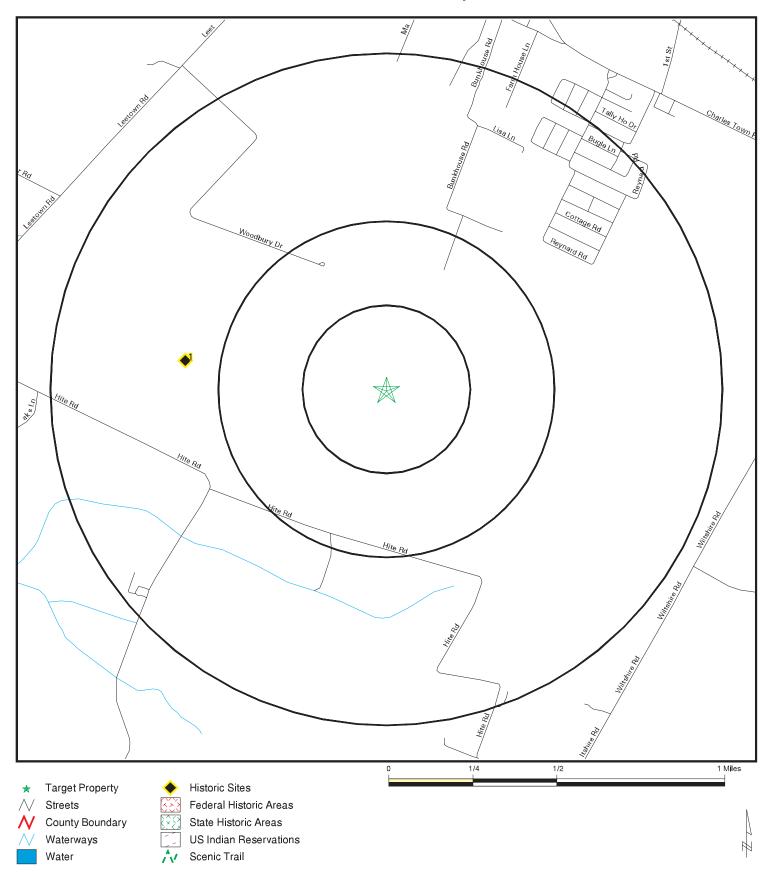
HARPERELLA PLANT:

Map ID Direction Distance Distance (ft.)

EDR ID **Database**

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

Historic Sites Map



SITE NAME: Hite Road Park ADDRESS: Hite Road

Leetown WV 25430 LAT/LONG: 39.3567 / 77.8965 CLIENT: Land Plan.&Design Assoc.,Inc. CONTACT: Zac Lette

June 19, 2009

INQUIRY #: 2523617.2s

DATE:

TC2523617.2s Page 5 of 25

HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)

EDR ID Database

74002005

National Register Hist. Places

Woodbury Resource Name: West

Alternate Name: Not Reported 1/2-1 mi Resource Address: On CR 1/4 3192 Resource Type: Building

Leetown, WV Location: County: Jefferson, WV

Primary Certification: Listed in the national register Certification Date: 19741009 Acreage:

15 Number of Buildings: 1 Number of Objects: 0 Number of Sites: 0 Num. of Structures: 0

Number of non-contributing Buildings: Number of non-contributing Objects: 0 Number of non-contributing Sites: 0 Num. of non-contributing Structures: 0

Applicable Criteria: Person, Architecture/Engineering Areas of Significance: Literature, Education, Architecture, Law

Current Function: Vacant/not in use **Building Material:** Other, None listed

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:

Status EDR ID Database

Name: "Prato Rio", (Gen. Charles Lee House)

JEFFERSÓN COUNTY County:

Leetown Vicinity City:

Contributing Property: Date Added: 04/11/73 WV 48 NR Address:

"The Bower" Name:

JEFFERSON COUNTY County:

Leetown Vicinity City: Contributing Property: 3

04/15/82 Date Added: Address: CR 1/1

"Woodbury" Name:

JEFFERSON COUNTY County:

Leetown Vicinity City: Contributing Property: 1

Date Added: 10/09/74 CR 1/4 Address:

Name: Jefferson County Alms House, (Snow Hill Farm)

JEFFERSON COUNTY County:

Leetown Vicinity City: Contributing Property:

Date Added: 04/14/94

WV Secondary 15, SE of Leetown Address:

Middleway Historic District Name: County: JEFFERSON COUNTY

Middleway City: Contributing Property: 60 Date Added: 03/13/80 Address: CR 1 off US 51 Unmappable WV10000333

WV Historic Sites

Unmappable WV10000331

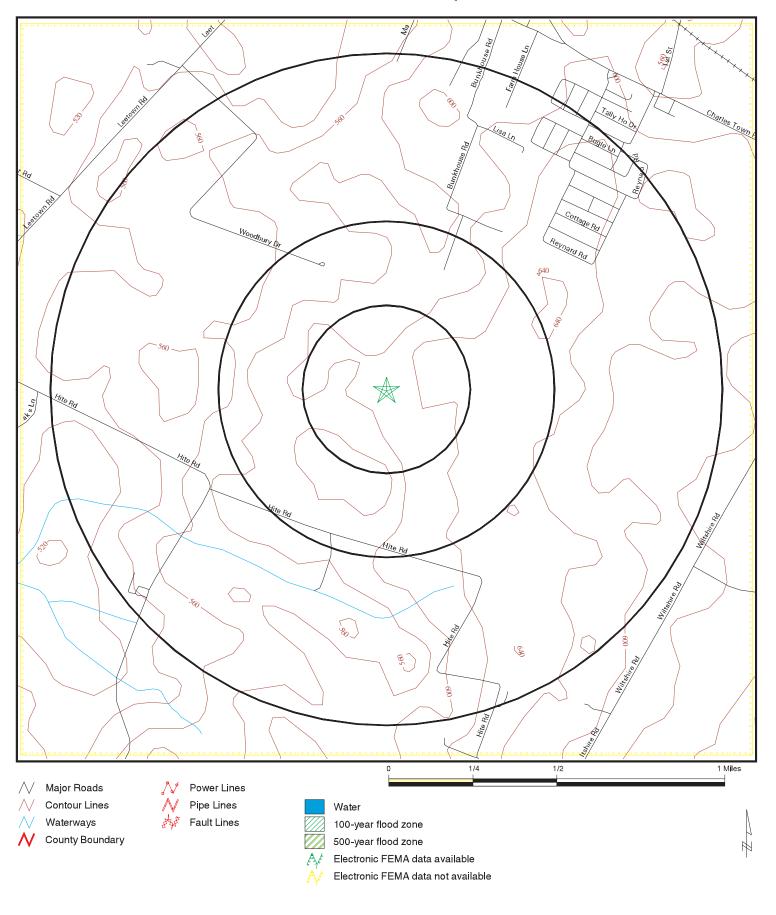
WV Historic Sites

Unmappable WV10000334 WV Historic Sites

Unmappable WV10000332 WV Historic Sites

Unmappable WV10000335 WV Historic Sites

Flood Plain Map



CLIENT: Land Plan CONTACT: Zac Lette SITE NAME: Hite Road Park Land Plan.&Design Assoc.,Inc. ADDRESS: Hite Road

Leetown WV 25430 LAT/LONG: 39.3567 / 77.8965

INQUIRY#: 2523617.2s

TC2523617.2s Page 8 of 25 DATE: June 19, 2009

FLOOD PLAIN MAP FINDINGS

Source: FEMA Q3 Flood Data

County FEMA flood data electronic coverage

JEFFERSON, WV NO

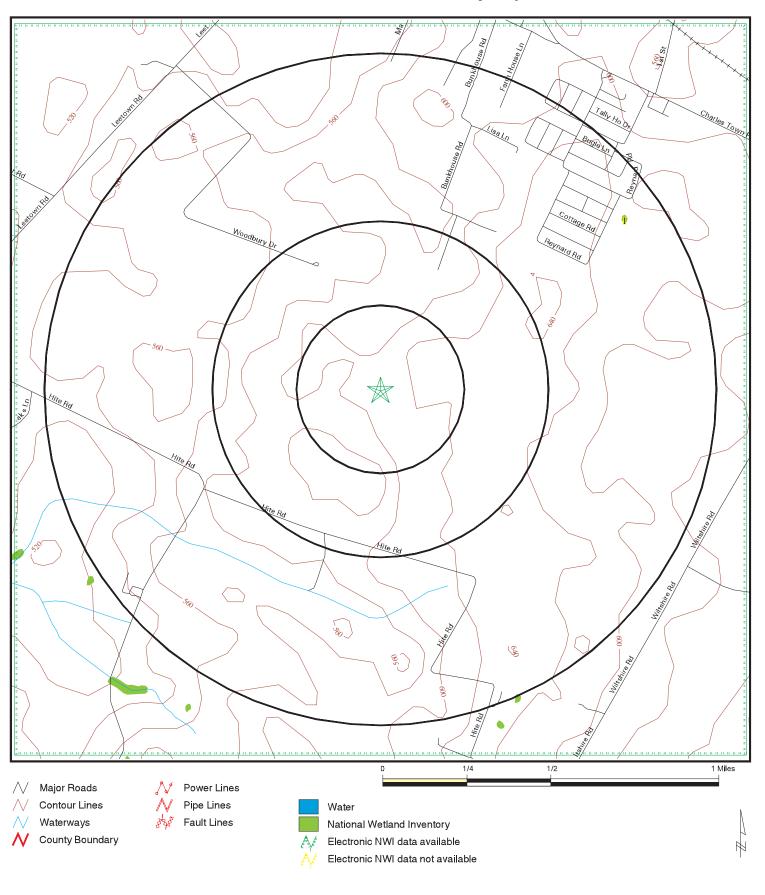
Flood Plain panel at target property:

Additional Flood Plain panel(s) in search area:

None Reported

None Reported

National Wetlands Inventory Map



CLIENT: Land Plan CONTACT: Zac Lette SITE NAME: Hite Road Park Land Plan.&Design Assoc.,Inc.

ADDRESS: Hite Road Leetown WV 25430 INQUIRY#: 2523617.2s LAT/LONG: 39.3567 / 77.8965

TC2523617.2s Page 10 of 25 DATE: June 19, 2009

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Middleway Additional NWI hardcopy map(s) in search area: Not reported in source data

Map ID Direction Distance Distance (ft.)

Code and Description*

NWI

[P] Palustrine, [OW] Open Water/Unknown Bottom (obs), [Z] Intermittently Exposed/Permanent, [h] Diked/Impounded ΝE 1/2-1 mi

4625

Database

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- · to describe ecological units that have certain homogeneous natural attributes,
- · to arrange these units in a system that will aid decisions about resource management,
- · to furnish units for inventory and mapping, and
- · to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- · class
- subclass
- modifiers

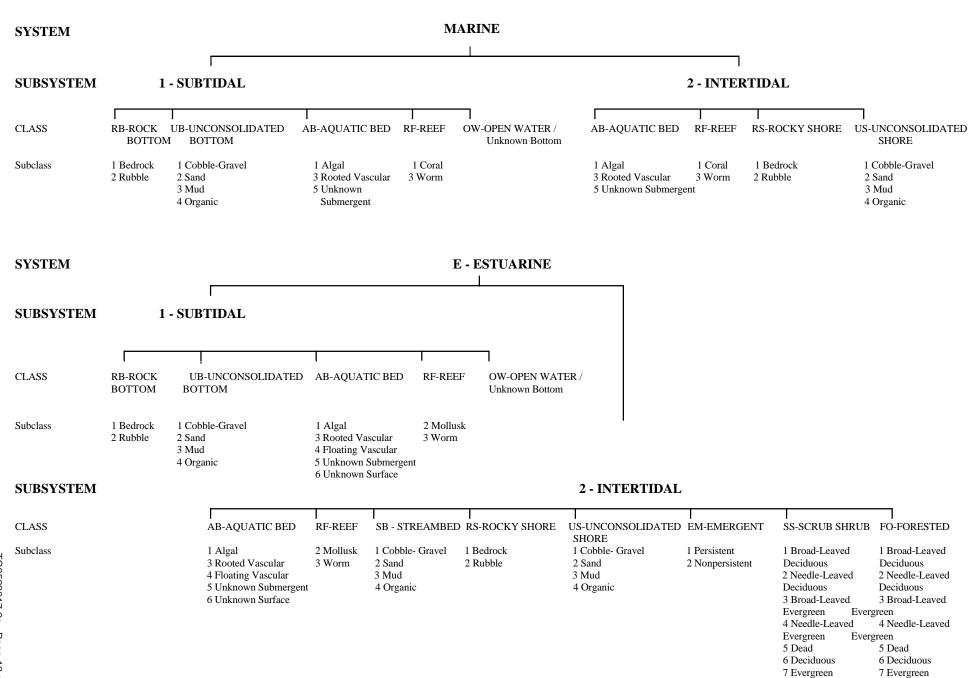
(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

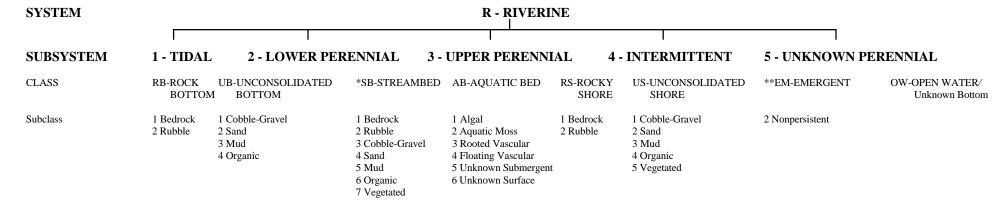
The classification system consists of five systems:

- 1. marine
- 2. estuarine
- 3. riverine
- 4. lacustrine
- 5. palustrine

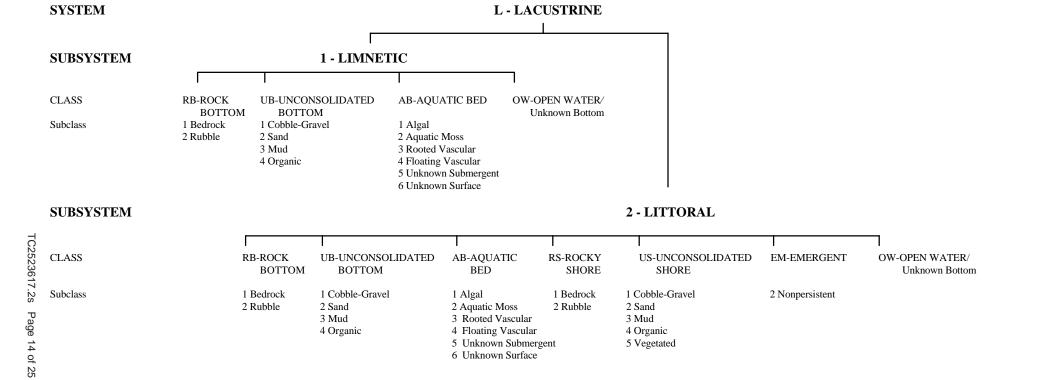
The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.





^{*} STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.



^{**}EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

MODIFIERS

7 Evergreen

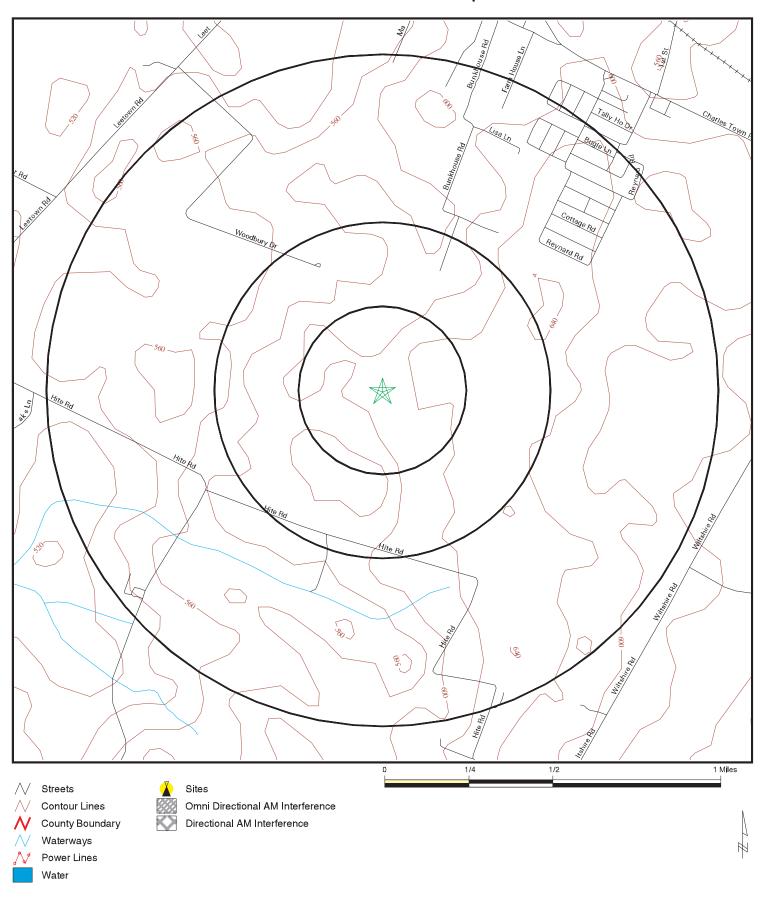
7 Evergreen

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

	WATER REGIME			WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal A Temporarily Flooded B Saturated C Seasonally Flooded D Seasonally Flooded/ Well Drained		alinityInlandSalinitypHMo K Artificially Flooded L Subtidal M Irregularly Exposed N Regularly Flooded P Irregularly Flooded		1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline	7 Hypersaline 8 Eusaline	all Fresh Water a Acid t Circumneutral i Alkaline	g Organic n Mineral	
E Seasonally Flooded/ Saturated F Semipermanently Flooded G Intermittently Exposed	Y Saturated/Semipermanent/ Seasonal Z Intermittently Exposed/Permanent U Unknown	*These water reg	gimes are only used in ed, freshwater systems.	6 Oligohaline 0 Fresh				s Spoil x Excavated

Source: U.S. Department of the Interior Fish and Wildlife Service National Wetlands Inventory

FCC & FAA Sites Map



SITE NAME: Hite Road Park ADDRESS: Hite Road

Leetown WV 25430 LAT/LONG: 39.3567 / 77.8965

CLIENT: Land Plan CONTACT: Zac Lette Land Plan.&Design Assoc.,Inc.

INQUIRY#: 2523617.2s

TC2523617.2s Page 16 of 25 DATE: June 19, 2009

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID Direction Distance Distance (ft.)

EDR ID Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS POWERLINES

EDR ID Database

No Sites Reported.

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Officially designated wilderness areas

Government Records Searched in This Report

FED LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife

Service.

- National Parks

- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

National Park Service, Northeast Region 200 custom Street, Fifth Floor Philadelphia, PA 19106 215-597-7013

USDA Forest Service, Eastern 310 West Wisconsin Avenue Milwaukee, WI 53203 414-297-3693

BLM - Eastern States Office 7450 Boston Blvd. Springfield, VA 22153 703-440-1713

Fish & Wildlife Service, Region 5 Div. Of Personnel Mgmt. 300 Westgate Center Drive Hadley, MA 01035-9589 413-253-8313

Officially designated wildlife preserves, sanctuaries and refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife

Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5
Div. Of Personnel Mgmt. 300 Westgate Center Drive
Hadley, MA 01035-9589
413-253-8313

State Contacts for Additional Information

Dept. of Natural Resources 304-348-2771

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife

Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5
Div. Of Personnel Mgmt. 300 Westgate Center Drive
Hadley, MA 01035-9589
413-253-8313

Endangered Species

Government Records Searched in This Report

Endangered Species Protection Program Database A listing of endangered species by county. Source: Environmental Protection Agency Telephone: 703-305-5239

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 5
Div. Of Personnel Mgmt. 300 Westgate Center Drive
Hadley, MA 01035-9589
413-253-8313

State Contacts for Additional Information

Natural Heritage Program, Div. Of Natural Resources 304-637-0245

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:

- All prehistoric and historic units of the National Park System;

- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and

- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

WV Historic Sites: National Register List for West Virginia

Listing of historic sites included on the National Register of Historic Places for West Virginia.

Source: State Historic Preservation Office.

Telephone: 304-558-0220

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation

1849 C Street NW Washington, DC 20240 Phone: (202) 208-6843

State Contacts for Additional Information

West Virginia Div. Of culture & History 304-558-0220

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.

Source: USGS Phone: 888-275-8747

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs Office of Public Affairs 1849 C Street, NW

Washington, DC 20240-0001 Office: 202-208-3711

Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers 1411 K Street NW, Suite 700

Washington, DC 20005 Phone: 202-628-8476 Fax: 202-628-2241

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at: http://www.doi.gov/bia/areas/agency.html

Scenic Trails

Government Records Searched in This Report
APPAL_TRAIL: Appalachian Trail
Source: Appalachian Trail Conference
Telephone: (304) 535-6331
Appalachian Trail centerline.

State Contacts for Additional Information Appalachian Trail Conference 799 Washington Street P.O. Box 807 Harpers Ferry, WV 25425-0807 (304) 535-6331

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information

Emergency Response Commission 304-558-5380

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2004 from the U.S. Fish and Wildlife Service.

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Dept. of Natural Resources 304-348-2771

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas Dept. of Env., Health & Natural Resources 919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management N/ORM, SSMC4 1305 East-West Highway Silver Spring, Maryland 20910 301-713-3102

State Contacts for Additional Information

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700
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Tower

Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700
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Antenna Registration

Federal Communications Commission
Mass Media Bureau
2nd Floor - 445 12th Street SW
Washington DC 20554 USA
Telephone (202) 418-2700
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AM Tower

Federal Communications Commission Mass Media Bureau 2nd Floor - 445 12th Street SW Washington DC 20554 USA Telephone (202) 418-2700

FAA Digital Obstacle File

Federal Aviation Administration (FAA) 1305 East-West Highway, Station 5631 Silver Sprinng, MD 20910-3281 Telephone: 301-713-2817

Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

Federal Aviation Administration Telephone (800) 457-6656 Private and public use landing facilities.

Electric Power Transmission Line Data

PennWell Corporation

Telephone: (800) 823-6277

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Excessive Radio Frequency Emission

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information

Office of Engineering and Technology Federal Communications Commission 445 12th Street SW Washington, DC 20554 Phone: 202-418-2470

OTHER CONTACT SOURCES

NEPA Single Point of Contact

State Contacts for Additional Information Community Development Division West Virginia Development Office Building #6 Room 553 Charleston, WV 25305 304-558-4010

STREET AND ADDRESS INFORMATION

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